

SALISBURY STATE COLLEGE

1976 - 1977 GRADUATE CATALOG

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ALUMNI ASSOCIATION

The Alumni Association of the college endeavors to maintain and strengthen communications between the college and the alumni, to continue the bond of fellowship among alumni members, and to aid the college in the fulfillment of its objectives.

ALUMNI OFFICERS

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CORRESPONDENCE

The Mailing Address:

Salisbury State College
Salisbury, Maryland 21801

The Telephone Number:

Area Code 301 546-3261

Specific correspondence should be addressed as follows:

Admission	Director of Admissions
Transcript of Record	Registrar
Business Matters	Director of Business and Financial Affairs
General Matters	Director of Public Relations
Summer School	Director of Continuing Education
Graduate School	Director of Graduate Studies

SALISBURY STATE COLLEGE



Graduate Catalog 1976-1977

SALISBURY, MARYLAND 21801

All inquiries concerning graduate study should be addressed to the Graduate Office, Salisbury State College, Salisbury, Maryland 21801.

ACADEMIC CALENDAR

Fall Semester 1976

Sunday	August 29	12:00 Noon - Residence Halls Open
Tuesday	August 31	Drop/Add: 1:00-4:30 P.M.
Wednesday	September 1	Classes Begin
Friday	September 3	Labor Day - Break begins after last class
Wednesday	September 8	Classes Resume
Wednesday	September 15	End of Late Registration
Thursday	September 16	Convocation
Tuesday	November 23	Thanksgiving Holiday - Begins after last class
Monday	November 29	Classes Resume
Tuesday	December 14	Last day of classes
Wednesday-	December 15 -	
Tuesday	December 21	Final Examinations
Tuesday	December 21	10:00 P.M. - End of Semester
Wednesday	December 22	Winter Commencement

Winter Minimester

Monday	December 27	Classes Begin
Friday	January 14	Classes End

Spring Semester 1977

Sunday	January 16	Drop/Add: 1:00-4:30 P.M.
Monday	January 17	Classes Begin
Tuesday	January 25	End of Late Registration
Friday	March 4	Spring Vacation - Begins after last class
Monday	March 14	Classes Resume
Monday	March 14	Midsemester
Tuesday	April 26	Honors Convocation
Friday	April 29	Classes End
Monday-	May 2-	
Friday	May 6	Final Examinations
Friday	May 6	6:00 P.M. - End of Semester
Saturday	May 7	Spring Commencement

Spring Minimester

Monday	May 9	Classes Begin
Friday	May 27	Classes End

Summer Session 1

Monday	June 13	Classes Begin
Friday	July 15	Classes End

Summer Session 2

Monday	July 18	Classes Begin
Friday	August 19	Classes End

THE COLLEGE

ACCREDITATION

Salisbury State College is a fully accredited multi-purpose, liberal arts and teacher education institution offering undergraduate programs leading to the Bachelor of Arts and Bachelor of Science degrees, and graduate programs leading to the Master of Education degree, and to Master of Arts degree in English, in History, and Psychology. The College is accredited by the Middle States Association of Colleges and Secondary Schools, the Maryland State Board of Education and the National Council for Accreditation of Teacher Education.

STATE SUPPORT

The College is an integral part of the public system of higher education in the State of Maryland. It is governed by the Board of Trustees of the State Colleges and is supported by appropriations authorized by the State Legislature.

PHILOSOPHY

As a state-supported educational institution, Salisbury State College is concerned with its accountability and educational responsibilities in all areas of operations. Such responsibility prompts establishing a primary objective of providing academic programs for all segments of the public. In addition, the College concerns itself in offering all of its physical facilities to the community for enrichment purposes.

The College strives to provide highest quality undergraduate and graduate programs in Liberal Arts and Teacher Education. In addition, effort is made to constantly improve daytime, evening and summer non-credit programs, as well as to create new educational experiences whenever a need arises.

The College's institutional philosophy is based not on rigidity and exclusiveness, but on flexibility of services to all who wish to avail themselves.

Salisbury State College perceives itself as a place where every person—regardless of race, creed or religion—will be respected with dignity. That person will be afforded the opportunity to develop his or her mind and body to its fullest capabilities. The resources are vast, the opportunities are nearly limitless to all who wish to energetically accept the challenges.

HISTORY

In 1922 the State Legislature established a commission to determine a location for two-year normal school on the Eastern Shore of Maryland. A site at Salisbury was selected by the commission, and the institution opened in September, 1925.

The school offered a two-year course for the preparation of elementary school teachers in Maryland until 1931 and 1934, when respective increases of three and four years were made. By action of the legislature of 1935, the College was authorized to grant the Bachelor of Science degree and to change its name to the State Teachers College at Salisbury.

BOARD OF TRUSTEES OF THE STATE COLLEGES OF MARYLAND

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Prior to 1947 the College limited its program to the preparation of teachers for the elementary schools. Expansion of the teacher preparation program occurred that year to include the junior high school level and in 1960 to include secondary school teachers, with a four-year program in Arts and Sciences with majors in several academic fields leading to the Bachelor of Arts and Bachelor of Science degrees. In 1962 the State Board of Trustees approved a graduate program in education leading to the Master of Education, in 1971 a program leading to the Master of Arts degree in History was approved, and in 1974 a Master of Arts degree in English was approved and in 1975 a Master of Psychology degree was initiated.

In 1963, Salisbury State College became one of the State Colleges of Maryland under jurisdiction of the Board of Trustees of the State Colleges. Major emphasis was placed on the four-year program for undergraduates, offering majors in the arts and sciences as well as professional preparation leading to teacher certification.

LOCATION

Salisbury State College is located on Md. Route 13 at the southern edge of Salisbury, which has a metropolitan population of 50,000 and lies 32 miles west of Ocean City, Md., 115 miles southeast of Baltimore and Washington, 125 miles south of Philadelphia and 125 miles north of Norfolk, Va.

FACILITIES

Administrative offices are situated in Holloway Hall, the original college building. This Georgian-styled structure, just renovated, contains most Administrative Offices, Faculty Offices, Classrooms and some Student Offices. Also in Holloway are a modern 776-seat Auditorium, paneled Social Room and the National Wildfowl and Woodcarving Museum.

Caruthers Hall, located near Route 13, to the right of the main entrance to the college, houses additional Administration Offices, the Continuing Education Office, the Admissions Office, Teacher Education Offices, as well as Classrooms, Faculty Offices, and a 225-seat auditorium.

Blackwell Library, recently renovated facility near the center of the campus, houses 155,000 items in open stacks including books, bound periodicals, Government Documents, and a Curriculum Laboratory. The library subscribes to 1,600 periodicals, and has extensive non-book resources including microforms, filmstrips, phono recordings, and cassettes.

Another fine new building is three-story air conditioned **Devilbiss Science Hall**. In addition to its 24 classrooms and 24 offices are a Language Laboratory, Laboratories for Geography and Biological Sciences, Chemistry, and Physics and Physical Science. Special features in this building are a theatre-lecture hall, seating 224, and a greenhouse.

The Musical Arts Center, situated at the Route 13 entrance, is an acoustically treated building, containing a 17-piano electronic piano laboratory, two Classrooms, and Faculty Offices.

The hub of student activity is **Memorial Student Union**, which includes the College Dining Hall and Kitchen, Snack Bar, College Book Store and Recreation Area (being renovated into a large Dining Hall).

Tawes Gymnasium is temporarily the center of college athletic activity. (A huge new Physical Education Center is currently under construction and is scheduled for completion during the 1976-77 term.) The well-lighted Tawes Gymnasium has a bleacher seating capacity of 1,000 for varsity basketball and other Men's and Women's Indoor Sports. Other features include an attractive Lobby with Trophy Cases, Faculty Offices, Laundry Facilities, Classrooms, First-Aid and Training Room (with modern Hydro-Therapy Equipment), Weight-Training Room, Dance and Correctives Room and Gymnastics Apparatus.

The College Health Center, located at the south end of Holloway Hall, features seven student-patient beds, a Waiting Room, two Offices, a Treatment Room and a Utility Room.

Wicomico Hall houses 106 students, **Manokin Hall**, 94 students, **Pocomoke Hall**, 104 students, and **Nanticoke Hall**, 150 students.

Choptank and **Chester** are identical six-story air-conditioned dormitories for 221 students, each of which feature on the first floor eight double bedrooms with two student baths, a manager's apartment, visitor's lounge, elevator and public toilets. Each of the five upper floors contains 20 double bedrooms, four student bathrooms, proctor's bedrooms and bath, snack room, student lounge and elevator.

Just opening this fall is **Chesapeake Hall**, a cluster type air-conditioned dorm for 184 students. Four double rooms are clustered around living room, a kitchenette, and 2½ baths. Each cluster has its own entrance from the outside as there are no inside corridors.

The **President's Home** is located on a wooded knoll on the southern edge of the campus.

Outdoor Athletic Facilities include varsity fields for soccer, baseball, and field hockey, practice fields, all-weather quarter-mile track and 12 hard-surface tennis courts featuring plexi-pave surfaces and six lighted courts for night play. A new athletic field complex is partially completed and features a new baseball field with a Astro-turf infield.

FUTURE DEVELOPMENTS

In order to accommodate a rapid growth in enrollment, which is approaching 3,500 day students, a new Physical Education facility will open this year. It will feature a swimming pool, large modern gymnasium, supportive athletic rooms, offices, locker rooms, training rooms, and ample storage space.

Planning is underway for renovation of Caruthers Hall, larger dining hall facilities, a new student center, and a new maintenance building.

Division of Graduate Study

Salisbury State College is approved for graduate instruction by the Middle States Association of Colleges and Secondary Schools and the Maryland State Board of Education. The College offers graduate programs leading to the Master of Education degree, the Master of Arts degree in English, in History, and in Psychology. Graduate study is also available for teachers seeking to meet requirements for basic or advanced certification and for post-baccalaureate students seeking graduate credit in both academic and professional areas.

During the fall and spring semesters, the great majority of graduate students enroll for courses conducted in the Evening Program of the College. Designed for part-time students, this program consists mainly of courses meeting once weekly throughout the semester in evening sessions of approximately three hours each. A limited number of courses open both to graduate students and advanced undergraduates is also available in the regular daytime program. In addition, graduate study is available in the College summer program consisting of two five-week summer sessions.

OBJECTIVES

The primary objective of the graduate program at Salisbury State College is to provide qualified students with opportunities for professional advancement and personal enrichment through advanced study. The program is designed to assist such students in attaining greater mastery of their fields of specialization, to improve skills in pursuing independent study, and to increase professional ability through study of new findings in areas of special interest. The College also recognizes an obligation to college graduates residing in the general community of the Eastern Shore and seeks to offer a constructive program of graduate courses throughout the year for the benefit of all who are qualified.

ADMISSION TO GRADUATE STUDY

To be eligible for admission to graduate study, the applicant must have completed requirements for the bachelor's degree at an accredited institution of higher learning. Admission to the College is granted without regard to race, color, religion, national origin or sex.

Students seeking admission to graduate study may obtain application forms from the Graduate Admissions Office. The application should be completed and returned to that office as early as possible in the term immediately preceding actual enrollment. In each case, the applicant must request the Registrar of his undergraduate institution to forward an official copy of his undergraduate transcript, showing completion of baccalaureate degree requirements, directly to the Graduate Admissions Office. Admission for graduate study is unofficial until the official transcript and completed application are on file, and therefore graduate credit will not be recorded until these documents are received.

Students making a late decision to begin graduate study may register for graduate courses at the beginning of a semester or the summer session, but will not be officially admitted until the application for admission and official transcript are on file. Such students should visit the Graduate Admissions

Office prior to registration in order to make sure that courses for which they register will fall within the requirements of the master's degree program they may subsequently wish to enter.

Upon receipt of the completed application for graduate admission and the official undergraduate transcript at the Graduate Admissions Office, the applicant will be notified by letter of formal admission for graduate study and may register thereafter for graduate credit so long as he remains in good standing. Admission for graduate study does not constitute admission to a master's degree program.

ADMISSION TO MASTER'S DEGREE PROGRAMS

After formal admission for graduate study, students who indicate their desire to earn a master's degree are requested by letter to make an appointment at the Graduate Admissions Office for discussion of degree programs and options available. During this interview, requirements of various programs are explained and the student normally selects the program most appropriate for his needs. Following the interview, the student will be notified by letter of acceptance to the program selected, provided requirements for acceptance are met, and assigned a faculty advisor. Students failing to meet requirements for acceptance to the program they desire must normally make up all deficiencies prior to admission to candidacy for the degree program selected.

Students admitted to the College for graduate study but who have not requested acceptance for a master's degree program may enter a degree program by scheduling an appointment at the Graduate Admissions Office. Graduate credits earned prior to acceptance for master's degree study may be applicable toward requirements for the degree provided the previously earned credits are appropriate for the degree program desired.

THE MASTER OF EDUCATION DEGREE

Students seeking the Master of Education degree at Salisbury State College shall complete one of the following two options: (1) an approved program of study including at least thirty-three semester hours of graduate credit with a cumulative average of B or higher, with no grade lower than C, and with no more than two C's in each of the following areas: (a) required courses in Education, (b) electives for those in Program A below, and (c) field of concentration for those in Program B below; or, (2) an approved program of study including at least thirty-three semester hours of graduate credit with grades of B or higher; grades of C earned in required courses in Education may be used to satisfy the course requirement but may not be applied toward graduation, and not more than two C's may be earned in each of the following areas: (a) required courses in Education, (b) electives for those in Program A below, and (c) field of concentration for those in Program B below.

ADMISSION TO CANDIDACY: MASTER OF EDUCATION DEGREE

To be eligible for admission to candidacy for the Master of Education degree, the applicant must meet the following requirements:

1. Earn a cumulative average of B or higher, including no grade below C, on

at least twelve hours of graduate courses completed at Salisbury State College in the master's degree program. This requirement may be waived for students who earned an overall average of B or higher in their undergraduate programs. Others in this program should apply after having earned a cumulative average of B or higher on twelve hours and not later than having completed eighteen hours. Graduate degree students are required to earn a minimum of fifteen semester hours of graduate credit after admission to candidacy except in special cases authorized by the Director of Graduate Studies.

2. Submit the completed application for admission to candidacy to the Director of Graduate Studies for action.

COURSE REQUIREMENTS

The following foundations courses in Education are required as indicated. It is strongly recommended that Education 502, below, be taken at the outset of graduate study and prior to undertaking the preparation of formal research papers and projects. The three additional foundations courses in Education should be taken as early in the program as possible.

Required:

Education 502: Introduction to Research, (3)

Choice of either of the following two:

Education 510: Seminar: Recent Issues in Education, (3)

Education 511: Critics of Education, (3)

Choice of either of the following two:

Education 514: Seminar in Curriculum Construction, (3)

Education 545: Development, Learning, and Instruction in the Schools, (3)

Choice of either of the following two:

Education 500: Historical and Social Foundations, (3)

Education 501: The School in Western Culture, (3)

Additional requirements for the Master of Education degree may be met under either of the following two programs.

PROGRAM A (21 semester hours)

1. Six semester hours in approved courses in methodology, techniques and procedures. (A list of approved courses for this requirement is available at the Graduate Office.)
2. Electives: An approved sequence of twelve semester hours, at least half of which shall be selected from courses at the 500 level (i.e., available exclusively for graduate credit).
3. Choice of a Research Project for three credit hours or an approved course substitute of at least three semester hours. Those electing the course substitute will complete at least two formal research papers in connection with their courses in Education. Those electing the Research Project will enroll in Education 530: Directed Research, (3), and will submit the completed project to the project director. They must also satisfactorily complete an oral examination on the project, to be scheduled through the faculty advisor after completion of the project.

PROGRAM B (21 semester hours)

1. Twelve semester hours in an area of concentration, to be selected from

one of the following areas: Counseling, Early Childhood Education, Educational Administration, English, Geography, History, Mathematics, Music, Psychology, Reading Education, Science, Sociology, or Special Education. At least six semester hours in the area of concentration shall be selected from courses at the 500 level (i.e., available exclusively for graduate credit).

2. An additional three semester hours in the area of concentration to be completed in one of the following options: Choice of a Research Project in the area of concentration for three credit hours or an approved course substitute in the area of concentration of at least three credit hours. Those electing the course substitute will satisfactorily complete at least one formal research paper in the area of concentration and another in the field of Education. Those electing the Research Project will enroll in course #530: Directed Research, (3), in the field of concentration, and will submit the completed project to the project director. They must also satisfactorily complete an oral examination on the project, to be scheduled through the faculty advisor after completion of the project.
3. Electives: six semester hours selected from any field.

THE RESEARCH PROJECT OPTION

In completing requirements for the Master of Education degree, students electing the Research Project option must follow these additional procedures:

1. Present to the faculty advisor following admission to candidacy a brief outline of the Research Project proposed, if this option is chosen. If approved, the candidate is usually assigned a second advisor. For those electing the Research Project, the completed project must be submitted to the advisors at least eight weeks prior to the Commencement at which graduation is expected.
2. Complete satisfactorily an oral examination on the Research Project. This examination is administered by three members of the graduate faculty designated by the Director of Graduate Studies.
3. Submit three copies of the Research Project with the signatures of the examiners for filing with the Director of Graduate Studies after completion of the oral examination.

THE MASTER OF ARTS DEGREE IN HISTORY

I. Requirements for Admission to Candidacy:

- A. At least fifteen semester hours in History from the junior-senior level or above, including a course in Historiography. This preparation is designed to serve as a foundation for graduate study in History and is therefore ineligible for inclusion in the thirty-three semester hours normally required for the degree. Students lacking this preparation must make up the deficiency prior to becoming eligible for admission to candidacy.
- B. Submission of an official copy of scores on the Graduate Record Examination Aptitude Test and Advanced Test in History. In special circumstances, the Chairman of the History Department may permit the student to take the Advanced Test in another field. Applications for the GRE are available on request to the Graduate Admissions Office

and test scores should be forwarded to that office directly from Educational Testing Service.

- C. Submission of the completed application for admission to candidacy to the Director of Graduate Studies for action. This application should be submitted after completion of the requirements indicated above and at least twelve semester hours of graduate degree credit with cumulative average of B or higher and no grade below C.
- II. Course Requirements: A minimum of thirty-three semester hours, with cumulative average of B or higher and no grade below C, is required for the Master of Arts degree in History. At least fifteen semester hours of this work must be taken in courses at the 500 level (i.e., courses available exclusively for graduate credit).

Students admitted to the M.A. program in History may choose either Plan A or Plan B for meeting course requirements. All course selections must be approved by the History Department faculty advisor.

Plan A:

1. Eighteen semester hours in History
2. Nine semester hours in one minor field (Education, English, Geography, Psychology, etc.)
3. Six semester hours: Thesis in History

Plan B:

1. Twenty-four semester hours in History
2. Nine semester hours in one minor field (Education, English, Geography, Psychology, etc.)

III. Additional requirements: All candidates for the M.A. in History must satisfactorily complete both a written and an oral examination near the completion of their program requirements demonstrating proficiency in the areas of study undertaken. Students should contact the Chairman of the History Department in this regard after completion of twenty-one semester hours of graduate credit.

THE MASTER OF ARTS DEGREE IN ENGLISH

I. Admission to the Program

In addition to the general requirements for admission to the Salisbury State College Graduate Program, outlined above, applicants for admission to the English M.A. program:

- A. Must have the undergraduate English major or its equivalent (thirty semester hours of English beyond freshman English) with a 3.0 grade point average in those undergraduate English courses.
 - B. Must have attained a score of at least 500 on the English Advanced section of the Graduate Record Examination or, failing that, have demonstrated academic proficiency of an equivalent nature in a comparable program of study. Under special circumstances, the English Department Graduate Committee may admit candidates who do not meet this condition.
 - C. Must submit two letters of recommendation from persons qualified to judge the applicant's ability to do graduate work in English.
 - D. Must submit a written description of their reasons for pursuing English graduate study and their academic goals within the discipline.
- II. Admission to Candidacy: After satisfactory completion of fifteen

semester hours of course work under Plan A or B below, a graduate student should apply for admission to candidacy.

III. Course Requirements

- A. To be eligible to receive the M.A. in English, the graduate student must complete thirty-three (33) semester hours. Included in the thirty-three hours must be a minimum of six hours (two courses) at the 500 level.
- B. The graduate student must maintain an average grade of 3.0 (B) or higher in all courses and must have no grades below C. After completion of the first three courses (9 semester hours) in the program, grades lower than C will disqualify the student from continued enrollment in the program.
- C. The student may choose either Plan A or Plan B in meeting degree requirements. All course selections must be approved by the faculty advisor.

1. Plan A (non-thesis)

- a. At least 24 semester hours of English at the 400-500 level.
- b. Up to nine semester hours at the 400-500 level in one supporting discipline, e.g., Education, History, Modern Languages, Philosophy, Psychology, Sociology, or Communication Arts.

2. Plan B (thesis)

- a. At least 21 semester hours of English at the 400-500 level.
- b. Up to 9 semester hours in one supporting discipline listed under Plan A above.
- c. Three semester hour thesis credit (English 531).

IV. Procedures of the Academic Program

- A. By the time the student has completed the first three courses in the M.A. program, he will, in consultation with a member of the English Graduate Faculty of his choice, have completed a program of study which outlines the emphasis of that study and the competencies he intends to achieve.
- B. The student will elect to concentrate in an area of emphasis compatible with his needs and with the availability of course offerings outlined in the projected course scheduling sequence. This area may be a period of British, American, or comparative literature, a genre of literature, or the study of language. Within the departmental course offerings he may elect also a subordinate emphasis upon folklore or film.
- C. Upon admission to candidacy the student will have established a final, definite program of study to which he is committed. At that time or thereafter, though certainly before the candidate enters his final semester of course work, he or she must consult with the department's graduate advisor to determine a faculty panel which will advise the candidate and ultimately evaluate his comprehensive examination. With the aid of the panel and subject to its approval, each candidate will then formulate for his own investigation a reasonably circumscribed question designed to synthesize some of the materials in his area of concentration or to probe an area of interest more deeply than he was able to in course work. Once the panel has approved the question, the student may complete his response in an examina-

tion setting as soon as he feels prepared - though not later than three months after course work has been completed.

V. Comprehensive Examination

- A. Upon completion of course work the candidate will sit for the comprehensive written examination described above.
- B. Evaluating the written comprehensive examination will be the candidate's advisory committee. It will be composed of three faculty members. One shall be the major professor (advisor). At least one of the other two members of the committee will be a member of the English Department Graduate Faculty.
- C. Satisfactory completion of the comprehensive examination will eliminate the need for an oral examination. In borderline cases in which there is doubt about the candidate's mastery of any portion of the written test, the student will be examined orally. The oral examination will occur after notification of the student and after adequate time for review.

THE MASTER OF ARTS DEGREE IN PSYCHOLOGY

I. Admission to the Program

The Department of Psychology offers programs leading to the Master of Arts Degree with areas of concentration in School-Community Psychology, Community-Clinical Psychology, and General Psychology. In addition to the general requirements for admission to graduate study, students seeking admission to the Master of Arts Program in Psychology must meet the following requirements:

- A. Completion of the departmental application for admission to the M.A. program in Psychology.
 - B. Completion of requirements for an undergraduate major, or equivalent, in Psychology, or related area with acceptable grade point averages in both the major field and overall baccalaureate program. Students without this preparation and/or whose grade point averages fall below acceptable levels may, with good reason, petition the Psychology Department Graduate Committee for admission, and, if successful, may be provisionally admitted to the program while making up deficiencies.
 - C. Submission by an appropriate agency of acceptable scores on the Miller Analogies Test. Testing arrangements may be made through the Psychology Department Office on campus.
 - D. Submission of three letters of reference on standardized forms, available in the admissions packet, from individuals familiar with the applicant's qualifications for graduate study.
- II. Admission to Candidacy: After satisfactory completion of fifteen semester hours of course work, the student should apply for admission to candidacy for the Master of Arts degree.
- III. Course Requirements: A minimum of thirty-six semester hours, approved by the departmental advisor and taken in the prescribed sequence according to the area of concentration selected; with grade point average of B or better and no grade below C.
- IV. Additional Requirements
- A. Satisfactory completion of either a thesis for six hours credit or a

thesis option consisting of a scholarly, research-oriented project, read and approved by the student's committee of three professors. Students electing the thesis option also will be required to include Psychology 525: Advanced Clinical Practicum, (3), in their degree programs.

- B. Satisfactory completion of a comprehensive examination. This examination will be written, with provision for oral examination in special cases. Scheduling of the examination is by written request of the student, submitted at least one month prior to the planned examination date and signed by the advisor. Students failing to complete this examination satisfactorily will be entitled to one reexamination only, to be scheduled after an appropriate time for review.

TRANSFER CREDIT

On the recommendation of the faculty advisor and with approval of the Director of Graduate Studies, a student may transfer up to twelve semester hours of graduate credit from other accredited institutions, subject to the following conditions: credit proposed for transfer must be (1) directly related to the student's program of study as approved by the department concerned and the Director of Graduate Studies; (2) acceptable for graduate degree credit by the home institution, and (3) supported by an official transcript showing graduate credit earned with grade of B or higher.

Students planning to earn graduate credit at other institutions for possible transfer toward master's degree requirements at Salisbury State should in all cases write the Director of Graduate Studies prior to registration, giving full particulars on the work to be taken, so that approval may be made in advance regarding the subsequent transfer of credit. In each case, the student should make certain that he has obtained graduate classification at the institution from which the transfer of credit is expected.

For students enrolled in the Master of Education degree program, a maximum of six hours in Education and a maximum of six hours outside of Education may be considered for transfer. For students in the M.A. program in History, not more than nine of the twelve hours eligible for consideration may be in History. For students in the M.A. programs in Psychology and in English, a maximum of twelve semester hours may be transferred.

Credits earned by correspondence are not eligible for transfer. Credits earned in extension programs may be eligible for transfer, subject to approval by the Director of Graduate Studies, provided such credits are accepted for graduate degree credit by the home institution.

GRADUATE CREDIT DURING SENIOR YEAR

An undergraduate who is within six semester hours of completing requirements for the baccalaureate degree may register for up to six hours of graduate credit at the 400 level, to be taken concurrently with the remaining courses in the baccalaureate program, with approval of the Director of Graduate Studies. Graduate credit will be awarded only upon completion of baccalaureate degree requirements by the end of the semester in which the final course requirements were begun.

TIME LIMITATION

All work credited toward the Master's Degree must be completed within seven calendar years from the end of the semester or summer term in which such work began. For example, a student who began the Master's Degree program in June, 1975, must have completed all requirements for the degree by the end of summer, 1982.

APPLICATION FOR DIPLOMA

It is the responsibility of the individual graduate student to check with his advisor to make sure that all degree requirements have been fulfilled, and to make the necessary arrangements at the Registrar's office for graduation.

Each degree candidate must make application for his diploma by the appropriate deadline and pay the required Diploma Fee. The Application for Diploma form is available at the Office of the Registrar and must be completed and returned to that office, together with payment of the Diploma Fee, not later than the beginning of the final semester before graduation. Any student who finds it necessary to postpone graduation must submit a new Application for Diploma to the Office of the Registrar.

TUITION AND FEES

Tuition for graduate students is \$38.00 per semester hour for graduate credit and \$25.00 per semester hour for undergraduate credit. Also, there is a Registration Fee of \$10.00 and a College Center Fee of \$5.00 payable at each registration. Graduate students residing out of state pay an additional fee of \$15.00 at each registration.

In addition, students seeking the master's degree are assessed a fee of \$10.00 when applying for admission to candidacy for the master's degree.

FACULTY ADVISORY SYSTEM

On admission to the master's degree program, the student is assigned a faculty advisor in the appropriate field of study. The major responsibility for advising graduate students rests upon the faculty advisor. Although the individual student is personally responsible for meeting all requirements and deadlines, the faculty advisor and/or respective department chairman are responsible for certifying to the Director of Graduate Studies that various program requirements for the master's degree have been fulfilled. It is therefore strongly recommended that students in the master's degree program consult their advisors periodically to make sure that the course requirements of their program, and other requirements as well, are clearly understood and are being met on schedule as planned.

STUDENT RESPONSIBILITY

The responsibility for obtaining the Graduate Catalog, information regarding registration and scheduling of classes, for becoming familiar with and fulfilling graduate degree requirements, meeting stated deadlines, and filing the necessary forms at the proper offices, rests solely with the graduate student.

APPEALS CONCERNING REGULATIONS

The faculty advisor and respective department chairman have jurisdiction over the program of each degree candidate within regulations established

by the Graduate Council. When requested by the student, faculty advisor, and/or department chairman, the Graduate Council shall serve as the Board of Appeals on matters concerning the interpretation of regulations governing the degree program.

TRANSCRIPTS AND CERTIFICATION OF COMPLETION OF DEGREE REQUIREMENTS

Transcripts of graduate records and certification of the completion of degree requirements may be obtained by contacting the Office of the Registrar. Certification of completion of degree requirements will be made only after all requirements are in fact completed and after submission of the completed Application for Diploma and Diploma Fee.

OFFICIAL WITHDRAWAL AND REFUND PROCEDURES

A graduate student who finds it necessary, after registration, to drop a part of his course load, or to withdraw from the College completely for that term, should in all cases complete the official drop or withdrawal form and submit it to the appropriate office. This assures the student that any refund due will be processed automatically and that his change of registration will become a matter of record.

Students failing to comply with regulations governing official withdrawal and/or dropping of courses forfeit all rights to refunds which might otherwise be made.

Detailed procedures for official withdrawal from the College and for official dropping of courses, including deadlines for submitting of forms necessary for the payment of refunds, appear regularly in the Evening Program and Summer Sessions Bulletins. Students are urged to note this information with care.

COURSE LOAD

The unit of credit is based on the semester system. The normal course load for a graduate student attending full-time is nine to twelve credit hours per semester. Requests for course loads in excess of twelve hours per semester must be approved by the Director of Graduate Studies.

In summer, six hours credit is considered a full course load for each of the five-week summer sessions. Additional credit may be taken only with approval of the Director of Graduate Studies.

CLASS ATTENDANCE

Students are expected to attend all class meetings of courses for which they are registered unless informed otherwise by the instructor concerned. Frequent unexcused absences together with unsatisfactory work, due to absence, may result in exclusion from the course or suspension from the Graduate Division.

GRADING SYSTEM

The following grades are used to evaluate the student's work in his individual courses:

- A (Excellent)
- B (Good)
- C (Satisfactory)

D (Poor, with no graduate credit for degree allowed)

I (Incomplete)

N (No credit)

Courses taken for graduate credit may not be taken on a pass/no credit arrangement.

COURSE NUMBERING SYSTEM: GRADUATE CREDIT

Courses at the 500 level offer graduate credit exclusively and are not available to undergraduates. Courses at the 400 level appearing in the list which follows may be taken either for graduate credit or for advanced undergraduate credit. Graduate students enrolled in such courses are expected to do graduate level work and to meet requirements more rigorous than those established for undergraduates. It is the responsibility of the individual instructor to define precisely the quality and quantity of work that he expects from members of his classes, both graduates and undergraduates.

It follows that the instructor may reasonably anticipate work of the highest level of competency from those enrolled in 500 level courses.

PROFESSIONAL CERTIFICATION

Requirements for the various teaching and administrative state certificates change from time to time and are determined by agencies other than the College. Therefore, the College cannot guarantee that a particular graduate program will automatically fulfill requirements for any of the various certificates available. Students seeking such certification are advised to consult a certification specialist within their State Departments of Education for information on the particular certification requirements they may wish to meet.

ART

490. INDEPENDENT STUDY

1 to 3 hours credit

A course to provide additional directed study in one or a combination of departmental disciplines. Students must furnish their own materials. Recommended for senior undergraduate or graduate credit. May be taken on the graduate level for a maximum of only 6 hours credit. Participation by invitation of the department only.

BIOLOGY

415, 416. RESEARCH IN BIOLOGY

3 hours credit each

Independent study, in which each student conducts his own research project under the supervision of a member of the faculty. **Prerequisite:** Approval of project by supervisor. Normally reserved for advanced undergraduates and graduates. **One hour of formal instruction each week and two additional hours to be arranged individually.**

423. ELECTRON MICROSCOPY

3 hours credit

Introduction to the principles and techniques of electron microscopy in Biology, including tissue fixation, embedding, ultramicrotomy, microscopy and photography. **Prerequisites:** Biology 101 and 102 and completion of the Biology core program or equivalent. **Two hours lecture and three hours laboratory per week.**

435. CYTOLOGY

3 hours credit

A discussion of the structure and function of the cell and its components. Laboratory work is based on light microscopy and electron microscopy. **Prerequisites:** Biology 101 and 102 and completion of the Biology core program or equivalent. **Two hours lecture and three hours laboratory per week.**

490. SPECIAL TOPICS IN BIOLOGY

3 hours credit

A study of a specific area of biological science. The topic will vary from semester to semester. The course may be taken twice for credit. **Prerequisites:** Biology 101 and 102 and approval of the instructor.

501. MODERN CONCEPTS IN BIOLOGY

3 hours credit

An advanced study of basic concepts of biology, emphasizing areas of recent progress. **Prerequisites:** Biology 101 and 102 and completion of the Biology core program or equivalent. **Two hours lecture and two hours laboratory per week.**

502. BIOLOGY AND ENVIRONMENT

3 hours credit

A study of organisms as integral parts of their environments, including field studies involving principles of taxonomy and ecology. **Prerequisites:** Biology 101 and 102 and completion of the Biology core program or equivalent. **Two hours lecture and two hours laboratory per week.**

410. CONTEMPORARY CELL PHYSIOLOGY	3 hours credit	
A study of the chemical and physical laws and formalisms which govern vital function. The laboratory will involve techniques and instrumentation of current physiological investigation. Prerequisites: Biology 101 and 102 and completion of the Biology core program or equivalent. Two hours lecture and one three-hour laboratory per week.		
BUSINESS ADMINISTRATION		
430. MARKETING MANAGEMENT	3 hours credit	
An analysis approach to the study of marketing problems of business firms. Attention is focused on the influence of the market place, the industry structure, and the role of government. Prerequisite: BUAD 330. Three hours per week.		
440. ADVANCED MANAGERIAL FINANCE	3 hours credit	
The principal focus is on decisions and processes which affect the value of the firm. Particular attention is given to analysis of risk under conditions of uncertainty and the timing of financial policy. Prerequisite: BUAD 311. Three hours per week.		
460. QUANTITATIVE METHODS FOR BUSINESS DECISIONS II	3 hours credit	
Philosophy and techniques of quantitative methods for business decision making process. Specific tools covered include inventory models, utility and decision theory, game theory, linear programming, queuing models, and critical path analysis. Prerequisites: BUAD 280; Mathematics 110 and 113. Three hours per week.		
492. BUSINESS POLICY	3 hours credit	
A seminar designed to assist the student in formulating business decisions. Emphasis is on relating the appropriate marketing, financial, and management information. Prerequisite: Senior standing. Three hours per week.		
494. SELECTED PROBLEMS IN BUSINESS	3 hours credit	
This course is designed for the student who desires to do research or pursue a special topic in the area of Business Administration. Prerequisite: Consent of the instructor.		
COMMUNICATION ARTS		
403. CREATIVE DRAMATICS IN ELEMENTARY EDUCATION	3 hours credit	
Emphasis is centered upon the manner in which creative dramatics assist in the growth of the child. The course considers creative dramatics as a motivating factor in the teaching and learning process. Three hours per week.		
404. PROBLEMS IN EDUCATIONAL THEATRE	3 hours credit	
To assist teachers who are, or expect to be, supervising dramatic activities in secondary schools with such problems as choice of literature, casting, directing, organization of student help, and inexpensive methods of production. Prerequisite: Communication Arts 304 or consent of instructor. Three hours per week.		
410. SPEECH CORRECTION AND THE CLASSROOM TEACHER	3 hours credit	
A study of childhood speech and hearing disorders and methods for the classroom teacher in effectively dealing with student referral, the promotion of good speech habits, and therapeutic reinforcement. Three hours per week.		
500. ORAL READING AND THE TEACHING OF LITERATURE	3 hours credit	
Designed to lead the student to an awareness of literature through the performing self, to reinforce the concept that one's physiological and psychological processes are bound together in the act of understanding what stories and poems mean. Three hours per week.		
510. SEMINAR IN INTERPERSONAL COMMUNICATION	3 hours credit	
The investigation of speech-communication from the point of view of conflict, manipulation, barriers and breakdowns; factors which undermine human potential for optimum reciprocal social intercourse. Three hours per week.		
ECONOMICS		
401. ECONOMIC THOUGHT	3 hours credit	
A survey of main trends in economic thought, showing their relation to current economic and social problems, with emphasis on readings from selected economists. Prerequisites: Economics 201, 202. Three hours per week.		
402. COMPARATIVE ECONOMIC SYSTEMS	3 hours credit	
A comparative study of contemporary economic systems in capitalist, socialist, and communist societies. Prerequisites: Economics 201, 202. Three hours per week.		
407. MANAGERIAL ECONOMICS	3 hours credit	
The systematic study of how resources should be allocated in a particular productive enterprise through purposive decisions made by managers of the enterprise. Prerequisites: Economics 201, 202, and Mathematics 113. Three hours per week.		

BUSINESS ADMINISTRATION

430. MARKETING MANAGEMENT	3 hours credit
An analysis approach to the study of marketing problems of business firms. Attention is focused on the influence of the market place, the industry structure, and the role of government. Prerequisite: BUAD 330. Three hours per week.	
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The principal focus is on decisions and processes which affect the value of the firm. Particular attention is given to analysis of risk under conditions of uncertainty and the timing of financial policy. Prerequisite: BUAD 311. Three hours per week.	
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Philosophy and techniques of quantitative methods for business decision making process. Specific tools covered include inventory models, utility and decision theory, game theory, linear programming, queuing models, and critical path analysis. Prerequisites: BUAD 280; Mathematics 110 and 113. Three hours per week.	
492. BUSINESS POLICY	3 hours credit
A seminar designed to assist the student in formulating business decisions. Emphasis is on relating the appropriate marketing, financial, and management information. Prerequisite: Senior standing. Three hours per week.	
494. SELECTED PROBLEMS IN BUSINESS	3 hours credit
This course is designed for the student who desires to do research or pursue a special topic in the area of Business Administration. Prerequisite:	

COMMUNICATION ARTS

**403. CREATIVE DRAMATICS IN
ELEMENTARY EDUCATION** **3 hours credit**

451. THE AMERICAN ECONOMY	3 hours credit	
Analysis of the American economic structure with emphasis on factors affecting its growth and stability. (Not open to students with credit in Economics 201 or its equivalent.) Three hours per week.		
452. PROBLEMS IN AMERICAN ECONOMIC LIFE	3 hours credit	
A workshop emphasizing practical economic issues to assist the average citizen in understanding and dealing with common problems of an economic nature, showing working relationships between citizen, consumer and institutions in American economic life. Three hours per week.		
494. INDEPENDENT STUDY	3 hours credit	
Supervised study in an area of interest to the advanced student. This course may be taken twice under different course topics recorded with the Registrar. Prerequisite: Junior or Senior standing in Economics or Business Administration, or consent of the instructor.		
EDUCATION		
405. THE LAW AND PUBLIC EDUCATION	3 hours credit	
A study of school law which affects the teacher and the public school. The nature and scope of school law are considered as generally applied to the purposes and functions of the school system. Three hours per week.		
406. PHILOSOPHY OF EDUCATION	3 hours credit	
A study of major philosophies and their influence upon the development of educational thought. Students are encouraged to identify and develop a personal philosophy of education. Three hours per week.		
407. APPLIED AUDIO-VISUAL METHODS IN TEACHING	3 hours credit	
The identification and critique of concepts, principles and issues on the application of educational media to the curriculum. Special emphasis on methods of applying media to the teaching process. Three hours per week.		
408. CHILDREN'S LITERATURE	3 hours credit	
A study of the works of important writers and artists in each of the major types of children's books (fairy tales, picture books, realistic fiction, fantasies, biographies, etc.). Historical trends and methods of incorporating children's literature into the elementary program are included. Three hours per week.		
409. LITERATURE FOR ADOLESCENTS	3 hours credit	
A study of literature written specifically for and about the contemporary adolescent with emphasis on methods of teaching aspects of it to build adolescent appreciation for the more established literary selections found in secondary school curriculum. Prerequisite: At least three courses in literature beyond English 102 are recommended or permission of the instructor. Three hours per week.		
412. CURRICULUM AND METHODS IN ELEMENTARY SCHOOL PHYSICAL EDUCATION	3 hours credit	
Principles of curriculum construction, selection and organization of materials. Lesson planning and teaching methods. Survey of current trends. Three hours per week.		
413. TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOL	3 hours credit	
Selection, organization, presentation, and evaluation of social studies material in the elementary school. Consideration of recent theory and method in improving teaching of the social studies. Three hours per week.		
414. INSTRUCTIONAL TECHNOLOGY I	3 hours credit	
Identification of basic principles and procedures used in planning and producing graphic instructional materials. Appropriate activities also provided to integrate media techniques into participant's professional skills. Three hours per week.		
415. INSTRUCTIONAL TECHNOLOGY II	3 hours credit	
Emphasis on increasing competencies in the development of photographic instructional materials. Students will identify basic principles and practices of photography and become involved in activities that apply photographic technique to instructional material development. Three hours per week.		
417. TEACHING LANGUAGE ARTS IN THE ELEMENTARY SCHOOL	3 hours credit	
Developing and demonstrating practical methods of teaching language skills in the elementary school. Emphasis is on creative, inductive, modern techniques. Three hours per week.		
418. TEACHING MATHEMATICS IN THE ELEMENTARY SCHOOL	3 hours credit	
Selection, organization, presentation and evaluation of mathematics materials in the elementary school classroom. Emphasis on recent research in teaching and adapting programs of the new mathematics. Three hours per week.		
419. TEACHING MUSIC IN THE ELEMENTARY SCHOOL	3 hours credit	
Techniques for teaching music in the elementary school; study of the child voice; appropriate singing, listening, rhythmic, instrumental and creative activities; remedial work for poor singers, activities for musically talented children; comprehensive overview of music materials and their application to the elementary school curriculum. Prerequisite: Music 200, Fundamentals (or equivalent, or approval of instructor). Three hours per week.		

420. FOUNDATIONS OF READING

(Elementary Education)

3 hours credit

Deals with pre-reading skills, beginning reading, informal assessment, analysis of reading programs, grouping procedures, word attack skills, and development of vocabulary and comprehension abilities. Intended for personnel in elementary education. **Three hours per week.**

422. FOUNDATIONS OF READING

(Secondary Education)

3 hours credit

Includes analysis of the reading process, assessment of content materials, reading in content areas, work attack skills, vocabulary and comprehension development, corrective reading, and study strategies. Intended for personnel in middle, junior, and senior high schools. **Three hours per week.**

425. ENGLISH CURRICULUM**3 hours credit**

Identifies problems and objectives in developing and organizing English curriculum materials; analyzes and evaluates a variety of curriculum guides and experimental programs. **Three hours per week.**

427. CLASSROOM ANALYSIS AND CORRECTION

OF READING DIFFICULTIES

3 hours credit

Includes causes and prevention of reading disabilities, strategies for the collection and analysis of reading behavior, and instructional programs for correction. Intended for teachers interested in reading disabilities, but who do not wish to specialize in Reading Education. **Prerequisite:** Education 316 or 420 or 422. **Three hours per week.**

**429. TEACHING MUSIC IN THE
SECONDARY SCHOOL****3 hours credit**

Methods and materials of music teaching in grades 7-12. The areas of emphasis are vocal, instrumental, and general music. **Prerequisite:** Music 200. **Three hours per week.**

432. MEASUREMENT AND EVALUATION**3 hours credit**

A study of the purposes and procedures of measuring and evaluating characteristics of students, e.g., achievement, with particular emphasis on classroom decision-making in terms of instructional objectives and teacher-constructed tests. **Three hours per week.**

435. GUIDANCE**3 hours credit**

A basic course in the principles of guidance and related pupil-personnel services for high school teachers, including the meaning and purpose of guidance and common adjustment problems. **Three hours per week.**

**436. VOCATIONS: DEVELOPMENT AND
APPRaisal****3 hours credit**

Surveys vocational choice with emphasis on developmental theory. Occupational information and the appraisal of vocational interests are emphasized. **Three hours per week.**

437. MATERIALS AND METHODS IN

CAREER EDUCATION

3 hours credit

Rationale for and methods of career education in elementary and secondary schools. Emphasis is given to the identification of psychological and philosophical bases, identification of researchable problems, implications and implementation of careers curricula. **Three hours per week.**

439. HIGHWAY TRANSPORTATION SYSTEM**3 hours credit**

AND DRIVER TASK ANALYSIS

An introduction to and analysis of the Highway Transportation System and the driving task. Laboratory phase of the course includes theories of the driving task and application of improvement practices. *For certification credit only.* **Three hours per week.**

440. SAFETY EDUCATION**3 hours credit**

Contemporary and anticipated accidents in the urban home, on the farm, in industry, recreation, transportation, and at school are explored. Principles and practices for reducing the frequency of accidents are developed. *For certification credit only.* **Three hours per week.**

443. PUPIL TRANSPORTATION**3 hours credit**

Organization and the administration of state, county, and district pupil transportation service with emphasis on safety and economy. *For certification credit only.* **Three hours per week.**

**444. THE PUBLIC SCHOOL TRANSPORTATION
OF SCHOOL CHILDREN****3 hours credit**

A workshop to consider the problems of school bus transportation, and a review of research in this field. *For certification credit only.* **Three hours per week.**

**446. INTRODUCTION TO EARLY CHILDHOOD
EDUCATION****3 hours credit**

An introduction to curriculum and methods in early childhood education, including theories, practices, techniques and materials. **Co-requisite:** Education 447 (unless exempt by instructor). **Three hours per week.**

**447. EXPERIENCES AND MATERIALS FOR
EARLY CHILDHOOD****3 hours credit**

Experiences for development of young children through use of materials and appropriate activities. **Co-requisite:** Education 446 (unless previously taken). **Three hours per week.**

**448. PROBLEMS OF EARLY CHILDHOOD
EDUCATION****3 hours credit**

Research findings used as a basis for program planning in infants' and toddlers' centers, nursery schools, day care centers, kindergartens and primary grades. Current trends and issues are considered. **Prerequisites:** Education 446, 447. **Three hours per week.**

450. SOCIAL STUDIES IN EARLY CHILDHOOD EDUCATION	3 hours credit	
Exploration use of and evaluation of materials, methods and activities in social studies for young children. Three hours per week.		
451. MATHEMATICS IN EARLY CHILDHOOD EDUCATION	3 hours credit	
Exploration, use of and evaluation of materials, methods, and activities in mathematics for young children. Three hours per week.		
452. SCIENCE IN EARLY CHILDHOOD EDUCATION	3 hours credit	
A study of the methods and materials used in teaching science at the early childhood level. Experiences are provided in motivation, procedure and evaluation of science lessons. Prerequisite: Admission to professional education program. Three hours per week.		
453. COMMUNICATION ARTS IN EARLY CHILDHOOD EDUCATION	3 hours credit	
Using a developmental approach, stressing enrichment in free and directed play, talking and listening skills and experimental learning, language acquisition of normal and disadvantaged children emphasized. Three hours per week.		
458. FIXED-BASE SIMULATION AND ON-STREET INSTRUCTION	3 hours credit	
Introduction to practical application of the methods and materials used in Driver Education — special programmed films with fixed-base simulation and on-street instruction methods. Directed laboratory experiences will be provided. Three hours per week.		
459. MULTIPLE-CAR FACILITIES AND THE ORGANIZATION AND ADMINISTRATION IN DRIVER EDUCATION	3 hours credit	
This course focuses on the Development and Application of course content and student learning activities for the classroom and multiple-car method of laboratory instruction in driver education. Directed teaching experience will be provided. Three hours per week.		
460. METHODS AND CURRICULUM FOR TEACHING THE MENTALLY RETARDED	3 hours credit	
A survey of problems related to the development of teaching methods and curriculum for the retarded including current program adaptations and special methods. Three hours per week.		
461. SEMINAR: TEACHING THE MENTALLY RETARDED	3 hours credit	
Individual research on problems of teaching the mentally retarded with discussion of techniques and approaches for meeting these problems is the focus of the course. Three hours per week.		
464. TEACHING MATHEMATICS TO THE MENTALLY RETARDED		3 hours credit
A study of the methods and materials used in teaching mathematics to the mentally retarded with a stress on adaptations of current curriculum materials. Prerequisite: Education 311. Three hours per week.		
475. METHODS AND MATERIALS IN ENVIRONMENTAL EDUCATION		3 hours credit
A course designed to increase the individual's awareness of his immediate environment with the aim of developing a broad philosophy of environmental education. Existing teaching methods and materials will be analyzed and new methods will be developed for use in inter-disciplinary problem-focused situations. Three hours per week.		
480. TEACHING CHILDREN WITH SPECIAL NEEDS		3 hours credit
Introductory instruction in the observation, identification and management of children, K-3 with mild to moderate learning problems. Three hours per week.		
490. SPECIAL PROBLEMS AND PRACTICES IN EDUCATION		Variable 1-6 hours credit
Individually designed programs including seminars, workshops and courses in curriculum development, planning, evaluation, specialized areas of study for purposes of enrichment, in-depth study of special problems and/or professional practices in education. Prerequisite: Permission of department chairman.		
491. INDEPENDENT STUDY		Variable 1-3 hours credit
Designed to permit self-study of problems not considered in other courses. Prerequisites: Approval of course instructor and department chairman.		
495. SPECIAL PROBLEMS AND PRACTICES IN ART EDUCATION, K-12		3 hours credit
Individually designed classroom programs including seminars, workshops, curriculum development, daily planning, evaluation, and art study projects in education. Prerequisite: a minimum of 27 hours of Art and/or Education on either secondary or elementary level, or by permission of instructor.		
500. HISTORICAL AND SOCIAL FOUNDATIONS		3 hours credit
Selected topics in intellectual and educational history from the time of ancient Greece to the present. The relation of education to historic traditions and social trends. Three hours per week.		
501. THE SCHOOL IN WESTERN CULTURE		3 hours credit
The student will develop understanding of the comparative dynamics of educational systems in various countries. The criteria for such comparison		

will be developed as part of the course. Broad cultural themes will be examined in relation to educational practices. **Three hours per week.**

502. INTRODUCTION TO RESEARCH **3 hours credit**

An introduction to the methods of scientific inquiry. Gaining experience in the use of research in defining a problem and in collecting, organizing and presenting information on it. **Three hours per week.**

505. THE LAW AND PROFESSIONAL NEGOTIATIONS **3 hours credit**

A study of professional negotiations from the point of the teacher or other public employees in service. Materials are taken from rapidly developing labor law in the public sector with special emphasis given to operation of the Maryland professional negotiations law for teachers. **Three hours per week.**

506. SEMINAR IN TEACHING OF MATHEMATICS **3 hours credit**

Analysis of recent theory and results of research for the teaching of mathematics. Students investigate developments at either the elementary or secondary school level. **Three hours per week.**

508. SEMINAR: RESEARCH IN HUMAN DEVELOPMENT **3 hours credit**

A survey of research techniques and findings in the field of human growth and development, with emphasis on recent investigations. **Prerequisites:** Psychology 210 and Education 300 or equivalent. **Three hours per week.**

510. SEMINAR: RECENT ISSUES IN EDUCATION **3 hours credit**

Analysis of selected recent issues in education for critical study. Each student is required to survey and critically evaluate pertinent research on at least one issue. **Three hours per week.**

511. CRITICS OF EDUCATION **3 hours credit**

An analysis of the validity of criticism of education. In-depth reading of contemporary authors will furnish the basis for critiques and discussion in a seminar format. **Three hours per week.**

512. PROBLEMS OF TEACHING SOCIAL STUDIES **3 hours credit**

Analysis of theory and research in the social sciences as applied to developing and teaching the social studies at either the elementary or secondary school level. **Three hours per week.**

513. SEMINAR IN THE TEACHING OF SCIENCE **3 hours credit**

Analysis of recent advances in the teaching of science and the development of skills in applying these to classroom teaching at the elementary or secondary school level. **Three hours per week.**

514. SEMINAR IN CURRICULUM CONSTRUCTION **3 hours credit**

A study of the factors underlying the public school curriculum and its

development. Opportunities are provided for individual research in curriculum construction at either the elementary or secondary school level. **Three hours per week.**

516. PUBLIC SCHOOL ADMINISTRATION **3 hours credit**

An analysis of the responsibilities of the school administrator including procedures for staff organization, in-service training, curriculum development, scheduling, guidance, and other facets of school administration. **Three hours per week.**

517. PUBLIC SCHOOL SUPERVISION **3 hours credit**

A study of the nature, methods, and techniques of public school supervision emphasizing human relationship and other factors involved in the role of the supervisor. **Three hours per week.**

520. THE DIAGNOSIS OF READING DISABILITIES **3 hours credit**

Designed for professional personnel seeking specialization in clinical diagnostic techniques. Includes collection and analysis of reading behavior and examines various instruments and strategies for collection of data on children with reading disabilities. **Prerequisite:** Education 420 or 422. **Three hours per week.**

521. THE REMEDIATION OF READING DISABILITIES **3 hours credit**

Designed for professional personnel seeking specialization in clinical-remedial techniques. Includes transfer of diagnostic data into teaching strategies and materials for programs of remediation. **Prerequisite:** Education 520. **Three hours per week.**

522. CLINICAL PRACTICUM IN READING **3 hours credit**

Designed for professional personnel seeking advanced work in clinical diagnostic and remedial techniques. Includes diagnosis and remediation of children with severe reading disabilities. Emphasizes collection and analysis of test data and development of instructional programs for the severely disabled. **Prerequisite:** Education 521. **Three hours per week.**

523. ADVANCED SEMINAR IN READING EDUCATION **3 hours credit**

A survey of the literature in Reading Education dealing with trends, needs, and future directions in such topics as early identification, diagnostic techniques, remediation, severe reading disabilities, linguistics, learning modalities, and others. **Prerequisite:** Education 522. **Three hours per week.**

530. DIRECTED RESEARCH **3 hours credit**

Preparation of optional research project in master's degree program under direction of departmental supervision.

535. THE ROLE OF THE SUPERVISING TEACHER **3 hours credit**

A study of recent trends in teaching and supervising student teachers.

Emphasis is given to evaluating the total teaching-learning situation and to organizing and planning the instructional program.

540. COUNSELING: THEORY AND PRACTICE 3 hours credit

Introduction to the theories and techniques of counseling applicable to the counselor's work in the public school. Students will become familiar with current personality theories as applied to counseling. Techniques of conducting interviews are included. **Prerequisite:** Basic guidance course. **Three hours per week.**

541. GUIDANCE TECHNIQUES IN ELEMENTARY SCHOOL 3 hours credit

A study of the role of the guidance specialist in the elementary school. Emphasis on current approaches to providing pupil personnel services for children from kindergarten through grade six. For teachers, supervisors and potential counselors. **Prerequisite:** Introductory guidance course. **Three hours per week.**

542. GUIDANCE TECHNIQUES IN SECONDARY SCHOOL 3 hours credit

A study of the role of the guidance specialist in the secondary school. Emphasis on current approaches to providing personal, educational, vocational guidance to youth from grades seven through twelve. For teachers, supervisors, and potential counselors. **Prerequisite:** An introductory guidance course. **Three hours per week.**

543. SUPERVISED PRACTICUM IN GUIDANCE 3 hours credit

Participation in a guidance program at the grade level of interest to the student counselor. Regular conferences with the counseling supervisor are held. Critiques of tape recorded interviews are made. **Prerequisites:** Teaching experience, at least nine hours of guidance related course work including counseling theory and practice, and consent of the instructor.

545. DEVELOPMENT, LEARNING, AND INSTRUCTION IN THE SCHOOLS 3 hours credit

The identification of classroom problems and issues related to and involving instruction, the development and application of strategies to aid in resolving issues and solving problems, and the coordination of student characteristics and environmental factors to improve the quality of learning experiences in the schools. **Three hours per week.**

590. SEMINAR IN EDUCATION 3 hours credit

A course in which topics will vary from semester to semester. **Prerequisite:** Consent of instructor.

598. INTERGROUP RELATIONS IN THE SCHOOL 3 hours credit

A seminar-workshop course designed to focus attention on philosophy and method of dealing with current social problems of race, religion and disadvantaged in the public schools. **Prerequisites:** College degree and teaching experience.

ENGLISH

402. HIGH SCHOOL AND COLLEGE JOURNALISM 3 hours credit

Journalism for advisors to newspapers and yearbooks. Principles of news writing, editing, advertising, copy writing, and layout. **Prerequisite:** English 216 or consent of instructor. **Three hours per week.**

403. PUBLIC RELATIONS 3 hours credit

Principles and techniques of professional public relations practice. Publicity writing, speeches, graphics, audio-visual media, public relations research, and program planning. **Prerequisite:** English 216 or consent of instructor. **Three hours per week.**

411. CHAUCER (Author) 3 hours credit

Chaucer's major works with emphasis on *The Canterbury Tales*. Not open to students who have taken English 432. **Prerequisite:** English 102. **Three hours per week.**

414. ELIZABETHAN AND JACOBEAN LITERATURE (Period) 3 hours credit

Major British literature from 1500 to 1660, exclusive of Shakespeare. Not open to students who have taken English 434. **Prerequisite:** English 102. **Three hours per week.**

419. SHAKESPEARE (Author) 3 hours credit

The major comedies and histories; emphasis on the tragedies. Not open to students who have taken English 405. **Prerequisite:** English 102. **Three hours per week.**

420. RESTORATION - 18TH CENTURY BRITISH LITERATURE (Period) 3 hours credit

British literature from 1660 through the Neo-Classical Age. Not open to students who have taken English 436. **Prerequisite:** English 102. **Three hours per week.**

421. ROMANTIC LITERATURE (Period) 3 hours credit

British literature of the Pre-Romantic and Romantic periods. Not open to students who have taken English 438. **Prerequisite:** English 102. **Three hours per week.**

425. VICTORIAN LITERATURE (Period) 3 hours credit

Major British literature during the reign of Queen Victoria. Not open to students who have taken English 440. **Prerequisite:** English 102. **Three hours per week.**

426. COLONIAL AMERICAN LITERATURE (Period) 3 hours credit

American literature from the beginnings to about 1820. **Prerequisite:** English 102. **Three hours per week.**

427. THE AMERICAN RENAISSANCE (Period)	3 hours credit	444. MEDIEVAL AND RENAISSANCE EUROPEAN LITERATURE (Period)	3 hours credit
The Transcendental Movement and its literature, 1830-1870. Emphasis on works of Emerson, Thoreau, Hawthorne, Melville, Whitman, and Dickinson. Prerequisite: English 102. Three hours per week.			
429. THE USES OF LANGUAGE	3 hours credit	445. EUROPEAN ROMANTICISM (Period)	3 hours credit
The referential, persuasive, literary, and expressive uses of language. Emphasis on the purpose, nature, structure, and style of the four areas. Prerequisite: English 102. Three hours per week.			
430. CLASSICAL AND MODERN RHETORIC	3 hours credit	446. EUROPEAN REALISM (Period)	3 hours credit
The principles and history of rhetoric from its beginning to the present. Attempts to develop a new rhetoric. Prerequisite: English 102. Three hours per week.			
431. A SURVEY OF MODERN GRAMMARS	3 hours credit	447. EUROPEAN NATURALISM AND MODERNISM (Period)	3 hours credit
An historical approach to the descriptions of language: the traditional, the structural, the transformational, and the tagmemic. Not open to students who have taken English 422. Prerequisite: English 102. Three hours per week.			
433. LANGUAGE AND CULTURE	3 hours credit	448. 20TH CENTURY EUROPEAN NOVEL (Period)	3 hours credit
A linguistic approach to the history of the language; the evolution of English from perspectives of dialectology, lexicography and semantics; phonological, morphological, and syntactic changes. Not open to students who have taken English 102. Three hours per week.			
435. DIALECTOLOGY	3 hours credit	450. PHILOSOPHICAL CONCEPTS IN LITERATURE	3 hours credit
Speech variation of people according to geographical areas, socio-economic education levels, levels of formality, age, sex, and occupation. Emphasis on Eastern Shore dialects. Field methods. Not open to students who have taken English 424. Prerequisite: English 225 or consent of instructor. Three hours per week.			
437. HISTORY OF THE ENGLISH LANGUAGE	3 hours credit	451. ENGLISH DRAMA (Genre)	3 hours credit
The development of modern English; the internal changes in pronunciation, structure, vocabulary, and usage with reference to the external history. Prerequisite: English 225 or consent of instructor. Three hours per week.			
439. SECOND LANGUAGE/DIALECT LEARNING	3 hours credit	452. MODERN DRAMA (Genre)	3 hours credit
Approaches to second language and dialect learning; teaching English to speakers of other languages; the question of standard English as a second dialect. Prerequisite: English 225 or 431, or consent of instructor. Three hours per week.			
441. ADVANCED COMPOSITION	3 hours credit	453. MODERN POETRY (Genre)	3 hours credit
The forms of discourse and the theory and practice of writing, primarily for teachers of writing. Not open to students who have taken English 415. Prerequisite: English 102. Three hours per week.			
			454. CONTEMPORARY POETRY (Genre)
			3 hours credit
			Continental, British, and American poetry from Yeats through World War II and trends of the genre. Not open to students who have taken English 408. Prerequisite: English 102. Three hours per week.
			Continental, British, and American poetry from World War II to the present. Prerequisite: English 102. Three hours per week.

457. AMERICAN NOVEL I (Genre)	3 hours credit		
Major American novels from the beginning through World War I. Not open to students who have taken English 406. Prerequisite: English 102. Three hours per week.			
458. AMERICAN NOVEL II (Genre)	3 hours credit		
Major American novels between World War I and World War II. Prerequisite: English 102. Three hours per week.			
459. CONTEMPORARY AMERICAN LITERATURE (Period)	3 hours credit		
American literature from about the end of World War II to the present. Prerequisite: English 102. Three hours per week.			
460. BRITISH NOVEL I (Genre)	3 hours credit		
The British novel from its beginnings through the 18th Century. Not open to students who have taken English 417. Prerequisite: English 102. Three hours per week.			
462. BRITISH NOVEL II (Genre)	3 hours credit		
The British novel of the 19th and early 20th Centuries. Not open to students who have taken English 418. Prerequisite: English 102. Three hours per week.			
464. MODERN BRITISH NOVEL (Genre)	3 hours credit		
The British novel from Joyce to the present. Prerequisite: English 102. Three hours per week.			
470. LITERARY CRITICISM	3 hours credit		
The history of literary criticism and its application to literature. Not open to students who have taken English 409. Prerequisite: Three literature courses beyond English 102. Three hours per week.			
490. TOPICS IN ENGLISH	3 hours credit		
Intensive study in a literary genre, figure, or period or in language, writing, film, or journalism. May be repeated for credit in different areas of study. Prerequisite: English 102 or consent of instructor.			
500. SEMINAR: MAJOR AMERICAN WRITERS OF THE NINETEENTH CENTURY	3 hours credit		
A thorough study of the works of two writers from among Emerson, Thoreau, Hawthorne, Melville, Whitman, James, and Crane. Three hours per week.			
501. SEMINAR: MAJOR AMERICAN WRITERS OF THE TWENTIETH CENTURY	3 hours credit		
A thorough study of the works of two writers from among Frost, Eliot, Fitzgerald, O'Neill, Faulkner, Hemingway, Steinbeck, and Williams. Three hours per week.			
502. SEMINAR IN ENGLISH LITERATURE I	3 hours credit		
A study of selected topics in English literature from the beginnings to 1660. From time to time the course will concern itself with major authors, genres, and literary themes. Three hours per week.			
503. SEMINAR IN ENGLISH LITERATURE II	3 hours credit		
A study of selected topics in English literature from the Restoration and Romantic periods. From time to time the course will concern itself with major authors, genres, and literary themes. Three hours per week.			
504. SEMINAR IN ENGLISH LITERATURE III	3 hours credit		
A study in selected topics in English literature of the Victorian and modern periods. From time to time the course will concern itself with major authors, genres, and literary topics. Three hours per week.			
508. CONTEMPORARY LITERATURE	3 hours credit		
A study of selected contemporary work exemplary of the character of contemporary writing. Reading is done in the novel, drama, the short story, and poetry. Three hours per week.			
509. SEMINAR IN LANGUAGE STUDY	3 hours credit		
A study of selected topics in language and linguistics. The course focuses in different semesters on such topics as the new English, descriptive or historical linguistics, morphology-syntax, or phonetics and phonemics, teaching standard English to speakers of other languages, or standard English to speakers of other dialects. The course may be repeated once for credit. Prerequisite: English 225 or 422 or consent of instructor. Three hours per week.			
530. DIRECTED RESEARCH	3 hours credit		
Preparation of optional research project in master's degree program under departmental supervision.			
531. THESIS	3 hours credit		
FRENCH			
440. FRENCH CULTURE AND CIVILIZATION OF CONTEMPORARY FRANCE	3 hours credit		
An in-depth, on-location study of French culture through gastronomy: Consists of two weeks at La Chambre de Commerce de L'Alimentation de Paris, plus lectures designed to assist the comprehension of the great transition (revolution) occurring in contemporary French thought and extensive touring throughout France. Three hours per week.			
GEOGRAPHY AND REGIONAL PLANNING			
400. REGIONAL GEOGRAPHY OF EASTERN EUROPE AND THE SOVIET UNION	3 hours credit		
A general treatment of the physical and cultural patterns of eastern Europe and the Soviet Union showing interrelationships and emphasizing			

those regions in rapid transition. Some attention is directed to the geographical foundations of Soviet international relations. **Three hours per week.**

401. REGIONAL GEOGRAPHY OF AFRICA **3 hours credit**

An examination of the contemporary patterns of life in Africa, particularly Sub-Saharan Africa, from a regional viewpoint. Special attention is given to the interplay of physical and cultural elements, economic activities, demographic trends, regional development and spatial interaction. **Three hours per week.**

403. REGIONAL AND HISTORICAL GEOGRAPHY **3 hours credit**
OF THE MEDITERRANEAN LANDS

An analysis of the geographic unity and complexity of the lands bordering the Mediterranean Sea. Contemporary problems are considered in their geographic setting. **Three hours per week.**

405. URBAN GEOGRAPHY **3 hours credit**

An analysis of the spatial distribution of urban settlements, their internal structure and characteristics. Emphasis is placed on techniques of analysis, and on the development of theoretical concepts and general principles. Special attention is given to contemporary urban problems and urban planning. **Three hours per week.**

406. REGIONAL PLANNING **3 hours credit**

An analysis of the spatial incidence of economic growth. Emphasis is placed on the spatial dimension as an important consideration in the theory and practice of economic development planning. **Three hours per week.**

407. INDUSTRIAL LOCATION **3 hours credit**

An analysis of the major factors influencing industrial location decisions and the spatial arrangement of industrial activity. Emphasis is placed on the development of theoretical concepts and general principles. Some attention is given to regional and city industrial development planning. **Three hours per week.**

408. URBAN PLANNING **3 hours credit**

An examination of theories and strategy approaches to urban development and land use planning along with techniques for evaluation. An assessment of the urban planning process with case studies. **Three hours per week.**

411. GEOMORPHOLOGY **3 hours credit**

This course deals with land form analysis. Treatment is given to the agents of erosion and deposition — water, wind, and ice, and to the internal forces which leave visible evidence on the earth's surface. **Four hours per week. Four one-day and one three-day field trips.**

413. CLIMATOLOGY **3 hours credit**

An analysis of climatic elements and their control. Consideration is given

to climatic classifications and the distribution of climatic types. **Four hours per week.**

415. SELECTED PROBLEMS **3 hours credit**

This course is designed for the geography or other social science major who desires to do research in the field of geography. The problems may be in the nature of library research, field research, or a combination of both. Choice is with departmental approval. Specific topic will be indicated on transcript. May be taken twice for credit. **Prerequisite:** Fifteen hours of Geography or consent of instructor. **Three hours per week.**

422. READINGS IN GEOGRAPHY **3 hours credit**

Readings designed to permit in-depth study of selected topics. Choice is with departmental approval. Specific topic will be indicated on transcript. May be taken twice for credit. **Prerequisite:** Fifteen hours in Geography or consent of instructor. **Three hours per week.**

475. FIELD PROBLEMS IN GEOGRAPHY **6 hours credit**

In-field geographic research experience. Emphasis is on actual field experience that involves the development of a research proposal, data collection and analysis, and the integration of such in a formal research paper. **Prerequisite:** Consent of instructor.

500. GEOGRAPHICAL INFLUENCES IN AMERICAN HISTORY **3 hours credit**

A study of the geographical influences affecting the historical growth and development of North America from colonial times to the present. **Prerequisite:** Geography 206 or consent of the instructor. **Three hours per week.**

502. SEMINAR: ANGLO-AMERICA **3 hours credit**

An analysis of selected problems concerning the physical and human geography of Anglo-America. A seminar paper is required. Topics selected with the consent of instructor. **Prerequisite:** Geography 206 or consent of instructor. **Three hours per week.**

503. SEMINAR: REGIONAL AND HISTORICAL GEOGRAPHY OF EUROPE **3 hours credit**

An analysis of selected problems concerning the physical, political and historical geography of Europe. A seminar paper is required. Topics selected with consent of instructor. **Prerequisite:** Geography 304 or consent of instructor. **Three hours per week.**

504. SEMINAR: PHYSICAL GEOGRAPHY **3 hours credit**

A seminar dealing with current problems in areas of meteorology, climatology, soils, geomorphology and vegetation. Individual research and presentation of papers. Topics selected with consent of instructor. **Three hours per week.**

530. DIRECTED RESEARCH **3 hours credit**

Preparation of optional research project in master's degree program under departmental direction. **Three hours per week.**

HEALTH

401. COMMUNITY HEALTH (MW)

A study of the factors involved in improving public health, including a survey of community health problems and resources, and the role of the teacher in community health. **Three hours per week.**

3 hours credit

HISTORY

400. HISTORY OF MARYLAND

3 hours credit

A study of Maryland history and government from the colonial period to the present. The course places special stress on the leaders, institutions, and contributions made in Maryland and by Maryland to the nation. **Three hours per week.**

401. AMERICAN DIPLOMACY

3 hours credit

An historical study of the foreign relations of the United States and the resultant diplomatic negotiations from 1776 to the present. **Three hours per week.**

405. THE UNITED STATES IN THE TWENTIETH CENTURY I

3 hours credit

Populism to 1932. A study of the political, economic, intellectual and social problems attending America's rise to world power later in the 19th century, her involvement in World War I, the changes attending that conflict and the problems of the 1920's. **Three hours per week.**

406. THE UNITED STATES IN THE TWENTIETH CENTURY II

3 hours credit

F.D. Roosevelt to the present. A study of the efforts of the United States to resolve the complex problems of the 1930's intensified by the Great Depression, its involvement in World War II, and struggles to maintain peace in the post-war world. **Three hours per week.**

407. THE WESTWARD MOVEMENT

3 hours credit

A study of the Westward Movement from the Atlantic to the trans-Alleghany and trans-Mississippi West, with emphasis upon the influence of the frontiers in shaping American civilization. **Three hours per week.**

409. RECENT TRENDS AND DEVELOPMENT IN LATIN AMERICA

3 hours credit

An examination of the important political, economic and military changes in Latin America, particularly those of the twentieth century. **Three hours per week.**

411. PROBLEMS IN LATIN AMERICAN HISTORY

3 hours credit

Readings, reports, and discussion of historical problems of Latin American development. **Three hours per week.**

412. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES I (1600-1875)

3 hours credit

(See course description in History 413.)

413. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES II (1876 to present)

3 hours credit

These courses are a study of American thought as reflected by the people and leaders. The development of American heritage is covered from the Colonial Period to the present, with emphasis upon the intellectual, social, religious, and economic movements. The first course covers from the Colonial Period to Reconstruction and the second course from about 1876 to present. **Three hours per week.**

417. HISTORY OF SCIENCE AND TECHNOLOGY

3 hours credit

A survey of the evolution of scientific achievements and technology in the western world, with particular emphasis on the cultural, economic and social implications of these developments. **Prerequisites:** History 101, 102. **Three hours per week.**

421. EUROPE IN THE TWENTIETH CENTURY WORLD

3 hours credit

A study of the economic, social, intellectual, and political development of Europe, viewed in the context of world wars, depression, and conflicting political ideologies, showing the decline of European dominance and the rise of America and Asia. **Prerequisites:** History 101, 102. **Three hours per week.**

423. RUSSIA: RISE TO IMPERIAL POWER

3 hours credit

A study of Russia from its beginnings to the reign of Nicholas II, with emphasis upon its eastward expansion. **Prerequisites:** History 101, 102. **Three hours per week.**

424. TWENTIETH CENTURY RUSSIA: REPRESSION, REVOLUTION AND CONSOLIDATION

3 hours credit

A study of Russia from the reign of Nicholas II with emphasis upon its changing role in world affairs. **Prerequisites:** History 101, 102. **Three hours per week.**

426. HISTORY OF SOUTHERN ASIA

3 hours credit

A study of the Indian sub-continent and adjacent regions, their social development, the evolution of Hinduism and Buddhism, the Islamic, Mongol, and British conquests, the rise of nationalism, and the status of the region today. **Prerequisites:** History 101, 102. **Three hours per week.**

430. READINGS IN HISTORY

3 hours credit

A readings course in History for students who have achieved above average in at least eighteen hours of history courses. This course may be

taken twice, under different course titles recorded with the Registrar. **Three hours per week.**

435. SENIOR THESIS 3 hours credit

Individual research and preparation of a thesis by history majors. Topic to be approved by Department chairman. **Three hours per week.**

437. HISTORY OF EUROPEAN IDEAS 3 hours credit

A survey of the western intellectual tradition, beginning with its heritage from the ancient world, and emphasizing the main currents of European thought from the Middle Ages to the present. Particular emphasis will be placed on the rise of a spirit of free inquiry, the development of a scientific attitude, and the growth of a distinct intellectual class. **Prerequisites:** History 101, 102. **Three hours per week.**

440. MINORITY GROUPS IN UNITED STATES HISTORY 3 hours credit

Attention is given to the role and contribution of minority groups in general, with special emphasis on some of the larger and older minority groups. **Three hours per week.**

445. BLACK AMERICAN HISTORY 3 hours credit

A study of the life and role of the Black American from the Colonial period to the present. **Three hours per week.**

450. SELECTED PROBLEMS IN EUROPEAN THOUGHT AND CULTURE, 1700-1840 3 hours credit

Readings and discussion in this course will focus on intellectual currents in England, France and Germany in the 18th and early 19th centuries. Works of contemporary writers will be examined in the context of social and political developments. **Prerequisites:** History 101, 102. **Three hours per week.**

460. HISTORY OF CHINA SINCE 1800 3 hours credit

The revolutionary transformation of China from the nineteenth century to the present, with emphasis on the impact of imperialism, the profound effects of western technology and foreign policy wrought by the history of her relations with the west. **Prerequisites:** History 101, 102. **Three hours per week.**

490. STUDIES IN HISTORY 3 hours credit

An intensive historical study of particular periods; groups; economics, intellectual, cultural, social movements, and/or institutions. This course may be taken twice, under different course titles recorded with the Registrar.

500. MAJOR FORCES IN WORLD CIVILIZATION 3 hours credit

Consideration of such major forces as religion, race, socialism, capitalism, communism, nationalism, and imperialism on the development of world civilization. **Three hours per week.**

502. SEMINAR: COLONIAL AND REVOLUTIONARY AMERICA 3 hours credit

A study of colonial institutions and the American Revolutionary movement. Emphasis is placed upon the study of specific topics through individual research projects. This course may be taken twice, under different course titles recorded with the Registrar. **Three hours per week.**

503. SEMINAR IN NINETEENTH CENTURY AMERICA 3 hours credit

This seminar offers an opportunity to the student to explore in-depth 19th century American society, via themes selected by the instructor. The course may be repeated once with the separate titles recorded with the registrar. **Three hours per week.**

504. SEMINAR IN EUROPEAN HISTORY 3 hours credit

A seminar designed to enable the student to explore, through intensive research, basic problems in European history. The period or topics to be studied will be selected by the instructor. This course may be taken twice, under different course titles recorded with the Registrar. **Three hours per week.**

505. SEMINAR: MARYLAND HISTORY 3 hours credit

A seminar designed to acquaint students, through readings and research, with some of the major problems and developments in the history of Maryland. This course may be taken twice, under different course titles recorded with the Registrar. **Three hours per week.**

506. SEMINAR IN TWENTIETH CENTURY AMERICA 3 hours credit

A seminar enabling the student to explore intensively specific periods and/or problems in this century through individual research. This course may be taken twice, under different course titles recorded with the Registrar. **Three hours per week.**

508. SEMINAR IN AMERICAN DIPLOMACY 3 hours credit

A seminar permitting students to investigate, through reading and research, selected problems in the history of American diplomacy. This course may be taken twice, under different course titles recorded with the Registrar. **Three hours per week.**

510. SEMINAR IN LATIN AMERICAN HISTORY 3 hours credit

An intensive study of major institutions and specific periods in Latin America through reading and research. This course may be taken twice, under different course titles recorded with the Registrar. **Three hours per week.**

530. DIRECTED RESEARCH 3 hours credit

Preparation of optional research project in Master's degree program under direction of departmental supervision. **Three hours per week.**

531. THESIS

3 hours credit

MATHEMATICAL SCIENCES

402. THEORY OF NUMBERS

3 hours credit

Basic concepts: integers, prime numbers, divisibility, congruences and residues. **Prerequisite:** Math 201. **Three hours per week.**

406. GEOMETRIC STRUCTURES

3 hours credit

An axiomatic development of incidence, ordered incidence, affine and absolute geometries; investigation of Euclidean and non-Euclidean geometries. **Prerequisite:** Math 201. **Three hours per week.**

413. PROBABILITY

3 hours credit

Finite sample spaces, random variables, independence, mean and variance, stochastic processes. **Prerequisite:** Math 310. **Three hours per week.**

414. STATISTICAL ANALYSIS

3 hours credit

Analysis of variance, F-distribution, experimental design, nonlinear regression multiple and partial correlation, rank correlation, sampling techniques. **Prerequisites:** Math 213 or Math 113 and 123. **Three hours per week.**

421. INTRODUCTION TO MATHEMATICAL LOGIC

3 hours credit

An introduction to the concepts of logic and methods of proof, along with applications to mathematics. **Prerequisite:** Math 306 or 310. **Three hours per week.**

431. POINT SET TOPOLOGY

3 hours credit

Topological spaces, homeomorphisms, compactness, metric spaces, connectedness and other topics. **Prerequisite:** Math 306 or 310. **Three hours per week.**

441. ABSTRACT ALGEBRA

3 hours credit

An introduction to the theory of groups, rings, integral domains and fields, including basic properties of polynomials. **Prerequisite:** Math 306 or 310. **Three hours per week.**

451. ANALYSIS I

3 hours credit

Modern abstract analysis including such topics as topology of the real number system, sequences, continuity and differentiability. **Prerequisite:** Math 310. **Three hours per week.**

452. ANALYSIS II

3 hours credit

A continuation of Analysis I including such topics as the Riemann-Stieltjes integral, sequences of functions, and Lebesgue Theory. **Prerequisite:** Math 451. **Three hours per week.**

461. DIFFERENTIAL EQUATIONS

3 hours credit

Solutions and applications of: First order linear, exact, and homogeneous equations; second order equations; systems of equations with constant coefficients; numerical solutions of differential equations. **Prerequisite:** Math 202. **Three hours per week.**

465. MATHEMATICAL MODELS AND APPLICATIONS

3 hours credit

Mathematical basis for model building; examples of simple models for uncomplicated systems in Biology, Psychology, Business and other fields; finite markov processes; models for growth processes. **Prerequisite:** Math 306. **Three hours per week.**

467. GAME THEORY AND LINEAR PROGRAMMING

3 hours credit

Systems of linear inequalities; linear programming, geometric and computational aspects of linear optimization including the simplex algorithm, duality theorem, two-person zero-sum games, the simplex method and games. **Prerequisites:** Math 306. **Three hours per week.**

490. SPECIAL TOPICS

3 hours credit

For the student who wishes to study in certain specialized areas such as complex variables, logic, non-euclidean geometry, or other topics suggested by faculty or students. This course may be taken twice, under different titles recorded by the registrar. **Prerequisites:** (For most topics) Math 306 and 310.

500. FOUNDATIONS OF NUMBER THEORY

3 hours credit

Designed for teachers of arithmetic with emphasis on the development of real number system in Elementary Number Theory. **Prerequisite:** One course in college mathematics or consent of instructor. **Three hours per week.**

501. FOUNDATIONS OF ALGEBRA

3 hours credit

Emphasis is placed on algebraic structures as used in the modern approach to teaching of algebra. **Prerequisite:** Math 103 or 500. **Three hours per week.**

502. FOUNDATIONS OF GEOMETRY

3 hours credit

Emphasis is placed upon the modern approach to the teaching of geometry. **Prerequisite:** Math 103 or 500. **Three hours per week.**

506. SELECTED TOPICS

3 hours credit

Designed for students with a major in mathematics to develop topics in mathematics not included in the undergraduate program or to extend areas previously studied. **Prerequisite:** Approval of the department.

507. SEMINAR: ALGEBRA

3 hours credit

A seminar dealing with selected topics from linear and abstract algebra. A seminar paper is required. **Prerequisite:** Approval of the department.

508. TRANSFORMATION GEOMETRY**3 hours credit**

A study of the group-theoretic structure of geometry. Applications of isometries, similarities and affine transformations to Euclidean Geometry. **Prerequisite:** Math 406 or equivalent.

530. DIRECTED RESEARCH**3 hours credit**

Preparation of optional research project in Master's degree program under direction of departmental supervision.

590. SPECIAL PROBLEMS IN MATHEMATICS**3 hours credit**

Individually designed programs including summer workshops and special seminars. Specific topic will be indicated on transcript. May be taken twice for credit. **Prerequisite:** Consent of instructor.

MUSIC**404. MUSIC FOR THE THEATRE****3 hours credit**

Historical and analytical study of opera, operetta, broadway musical, ballet, music for films; lecture-discussion, critical listening to recordings, individual research and extensive use of visual aids. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

405. MUSIC OF THE BAROQUE PERIOD**3 hours credit**

Analysis of the philosophy, musical forms and styles of the period 1600-1750, study of representative polyphonic choral and instrumental music by outstanding composers of the period. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

406. MUSIC OF THE CLASSICAL PERIOD**3 hours credit**

Analysis of philosophy, musical forms and styles of the period 1750-1825, with emphasis on the development of instrumental music study of representative recorded music by outstanding composers. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

407. MUSIC OF THE ROMANTIC PERIOD**3 hours credit**

Analysis of philosophy, musical forms and styles of the period 1820-1900, particularly as they were influenced by social and political forces; study of representative vocal and instrumental works. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

408. MODERN MUSIC**3 hours credit**

Emergence of new developments from late romantic music through serial and electronic music, including influences of jazz and considering the effects of social forces and current world events. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

410. CHURCH MUSIC**3 hours credit**

Designed for the practicing or potential church musician. A practical course dealing with all aspects of the church music program. **Prerequisite:** Approval of the instructor. **Three hours per week.**

411, 412. APPLIED MUSIC I AND II**3 hours credit each**

An advanced course in performance technique using a wide variety of literature. A solo recital (alone, or sharing a program with other students) encompassing music of many styles and periods is a required culmination. Students will elect one performing medium (piano or voice or organ or other instrument) and must have completed the fourth course in the sequence for that instrument as a prerequisite. Each course may be repeated for credit once. **Three hours per week and a minimum of 12 individual practice hours per week.**

416. AMERICAN MUSIC**3 hours credit**

Analysis of musical forces and styles as they reflect the nation's development and America's unique contributions to the growth of music as an art form. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

426. ARRANGING FOR VOICES AND INSTRUMENTS**3 hours credit**

Fundamental techniques of scoring for various a cappella and accompanied voice combinations, scoring for orchestra, band and various instrumental combinations, special characteristics of each choir of instruments, range of voices, selection of suitable literature for treatment in different ensembles, with considerations of style. **Prerequisites:** Theory I and Theory II and a minimum of one semester participation in or observation of a choral group and an instrumental ensemble.

429. MUSIC CONCEPTS FOR EARLY CHILDHOOD**3 hours credit**

Melodic and rhythmic elements within the cognitive, physical, and aural capabilities of young children (nursery school through primary grades), use of simple creative application to reinforce music concepts. **Prerequisite:** Music 200 or approval of instructor. **Three hours per week.**

430. MUSIC CONCEPTS FOR ELEMENTARY SCHOOL**3 hours credit**

Development of musical skills, with emphasis on part-singing, piano accompaniments, combined rhythms, conducting skills, and creative application of these skills appropriate for the elementary school. **Prerequisite:** Music 200 or consent of the instructor. **Three hours per week.**

435. CHORAL LITERATURE**3 hours credit**

Class investigation and evaluation of choral music for all voice combinations appropriate for elementary through senior high school and adult ensembles. **Three hours per week.**

440. MODERN MARCHING BAND: TECHNIQUES AND MATERIALS**3 hours credit**

A detailed work survey of traditional marching band styles and their adaptation to current trends. **Prerequisite:** Approval of the instructor. **Three hours per week.**

441. INSTRUMENTAL LITERATURE	3 hours credit	curriculum building, fiscal management, evaluation and staff-community relations. Three hours per week.
Class investigation and evaluation of new methods and materials for bands, orchestras, and instrumental ensembles. Prerequisite: Approval of the instructor. Three hours per week.		
450. STUDIES IN MUSIC	3 hours credit	
Study of a single composer or musical form or performance medium or technique or topic in music education. The topic will differ from semester to semester. May be taken for credit twice. Possible prerequisite(s) listed according to topic by semester. Three hours per week.		
490. DIRECTED INDEPENDENT STUDY	1-3 hours credit	
A tutorial course in any area of music open to seniors and graduate students. May include continuation of a skills development program begun in the lower level independent study course, or any type of individual research in music not normally included in courses offered by the department, or individual study of an area needed for teacher certification but not offered by the department in the current semester. Approval in writing of department chairman and supervising faculty member prior to registration, with the area of study to be specified in writing. May be repeated for a maximum of 6 credits.		
500. TWENTIETH CENTURY MUSIC	3 hours credit	
Analysis of the manner in which melody, rhythm, harmony, form and orchestral instruments are used by major modern composers. Political, economic and social forces and current world events are considered for their effects on music of our time. Three hours per week.		
505. MUSIC HISTORY AND MUSICAL STYLE	3 hours credit	
The development of Western musical style is traced from early written records to the present, stressing the continuity of basic musical principles. Prerequisite: One course in music history or a stylistic period. Three hours per week.		
510. RECENT ISSUES AND TRENDS IN MUSIC EDUCATION	3 hours credit	
Student researched seminar presentations on pertinent current issues in general, vocal, and instrumental music education. The seminar presentations will, through researching current trends, arrive at conclusions compatible with current practices in music education. Prerequisites: Education 419 and 429 or equivalent. Three hours per week.		
511. ADVANCED APPLIED MUSIC	3 hours credit	
Individual studio instruction to provide a graduate extension to an undergraduate major performing area.		
512. ADMINISTRATION AND SUPERVISION IN SCHOOL MUSIC	3 hours credit	
A course dealing with the need and purpose of supervision in music. Areas of concentration include factors affecting the learning process,		
		515. ADVANCED CHORAL CONDUCTING 4 hours credit
		A course designed for the practicing choral conductor. Includes technique, stylistic interpretation, repertoire and organizational problem analysis. Prerequisite: Music 310 or equivalent. Five hours per week (3 hours lecture and 2 hours laboratory).
		530. DIRECTED RESEARCH IN MUSIC/MUSIC EDUCATION 3 hours credit
		Preparation of optional research project in the M.Ed. program under the direction of departmental faculty. Weekly conference with faculty sponsor.
		590. DIRECTED INDEPENDENT STUDY 3 hours credit
		An individual, graduate tutorial course including research topics not covered in available courses. The written specified area of study must have written approval of the department chairman and supervising faculty member prior to registration.
		PHILOSOPHY
		400. PHILOSOPHICAL IMAGES OF MAN 3 hours credit
		A study of the major figures of classical and contemporary thought as regards their philosophies of man. Prerequisite: Philosophy 201, 202, or consent of instructor. Three hours per week.
		401. PHILOSOPHY OF RELIGION 3 hours credit
		A study of the concepts and presuppositions of theology and the reasonings of theologians, as well as an examination of religious experiences and the activities of worship. Prerequisite: Philosophy 201, or 202, or consent of instructor. Three hours per week.
		402. GOD IN MODERN AND CONTEMPORARY PHILOSOPHY 3 hours credit
		This course attempts to clarify and synthesize what modern philosophers say about God. It shows that regardless of the diversity of their opinions, there is an agreement about the basic problems. These problems center on God's existence, nature, and relationship to man. Prerequisite: Philosophy 201, 202 or 204 or permission of instructor. Three hours per week.
		403. EXISTENTIALISM 3 hours credit
		An examination of the main themes of this contemporary philosophy which stresses the humanistic approach to the profound experiences of life are explored through the diverse themes of Kierkegaard, Satre, Jaspers, Heidegger and Marcel. Prerequisites: Philosophy 201, 203 or 204. Three hours per week.
		406. PHILOSOPHY OF SCIENCE 3 hours credit
		A critical examination of the philosophical problems common to the natural sciences, such as the nature of scientific laws and theories, and

problems involved in scientific explanation. **Prerequisite:** Philosophy 201, 202 or 204. **Three hours per week.**

407. THEORY OF KNOWLEDGE 3 hours credit

The course examines the sources, types, methods, structure and validity of knowledge. A study is made of classical, modern and contemporary sources of meaning, truth and perception with the intent of giving the students an acquaintance with an appreciation of the scope and limits of knowledge. **Prerequisite:** Philosophy 201, 202 or 204. **Three hours per week.**

450. PHILOSOPHICAL CONCEPTS IN LITERATURE 3 hours credit

An examination of philosophical concepts in literature; the concept to be dealt with will change from offering to offering. **Prerequisites:** English 101, 102, and Philosophy 201. **Three hours per week.**

475. SEMINAR IN PHILOSOPHY 3 hours credit

The content of this course varies from semester to semester. It seeks to offer to advanced students in philosophy an opportunity to research and reflect on an issue or theme more thoroughly and intensely than is possible in an ordinary course. May be repeated for credit with faculty approval. **Prerequisite:** Consent of instructor. **Three hours per week.**

490. INDEPENDENT STUDY 3 hours credit

A tutorial course in a specific problem in philosophy, a particular philosopher, or a particular period of philosophy. Open to junior, senior and graduate students, conditional on faculty member's consent. May be repeated for credit under different subtitles with faculty approval. **Three hours per week.**

PHYSICAL EDUCATION

406. ADMINISTRATION AND ORGANIZATION (MW) 3 hours credit

Problems of administrative structure and procedure, program planning, organization of physical education classes and departments, and organization of athletic programs. **Prerequisite:** Completion of at least 8 credits in techniques and strategy courses. **Three hours per week.**

408. MOVEMENT EDUCATION (MW) 3 hours credit

Analysis of the elements of human movement, with practical applications to the teaching of physical education in grades K through 12. Methods, materials, historical development, readings, practice. **Prerequisite:** Teaching or student-teaching experience, or completion of at least 8 credits of techniques and strategy courses. **Three hours per week.**

431. TESTS AND MEASUREMENTS (MW) 3 hours credit

Study of testing and evaluation techniques for physical education activities, survey of health tests, grading techniques, and statistical

procedures. Mathematics 100 is strongly recommended as a prerequisite. **Three hours per week.**

450. KINESIOLOGY (MW) 3 hours credit

The study of human motion with emphasis on the skeletal and muscular systems that are involved. **Prerequisites:** Biology 215, P.E. 312 and Physics 103 (Science 105 or equivalent). **Three hours per week.**

451. PSYCHO-SOCIAL ASPECTS OF PHYSICAL EDUCATION (MW) 3 hours credit

The interaction of physical education (sports) with the psychological and sociological development of the individual. **Prerequisite:** Psychology 210 or consent of instructor. **Three hours per week.**

452. APPLIED MOTOR LEARNING (MW) 3 hours credit

The study of basic areas of investigation in motor learning and the relevance of findings to the teaching of physical education. **Prerequisite:** Consent of instructor. **Three hours per week.**

460. DANCE WORKSHOP (MW) 3 hours credit

Theory and practice of dance forms used in public school physical education — children's rhythmic activities, modern dance, folk, square and tap dance. Designed as a three-weeks' summer school course for teachers. **Prerequisite:** Teaching experience or consent of instructor.

490. SELECTED TOPICS IN PHYSICAL EDUCATION (MW) Variable 1 to 3 hours credit

Provides opportunities for short term needs and interests of students and/or faculty. Also affords avenue for curriculum experimentation and innovation. **Prerequisite:** Consent of instructor.

POLITICAL SCIENCE

401. POLITICAL THEORY 3 hours credit

A survey of political thought based on the analysis of ideas of leading ancient, medieval and modern theorists including the historical setting of major theories, their impact on political institutions and social changes, and their contemporary significance. **Prerequisite:** Political Science 201. **Three hours per week.**

402. AMERICAN POLITICAL THEORY 3 hours credit

A survey of the political concepts of the leading American theorists and the impact of these concepts on the American society from the colonial period to the present. **Prerequisite:** Political Science 201. **Three hours per week.**

410. INTERNATIONAL RELATIONS 3 hours credit

A study of major factors underlying international relations including methods of conducting foreign relations, formation of foreign policies of

major powers, and means of dealing with international conflicts. **Prerequisite:** Political Science 201. **Three hours per week.**

411. INTERNATIONAL LAW **3 hours credit**

A survey of the general principles and special rules of international law as well as its recent trends and its relations to other aspects of international affairs. **Prerequisite:** Political Science 201. **Three hours per week.**

**412. GOVERNMENT AND POLITICS OF
LATIN AMERICA** **3 hours credit**

A comparative study of politics and governments in selected countries in Latin America. **Three hours per week.**

415. COMPARATIVE ASIAN POLITICAL SYSTEMS **3 hours credit**

A study of the structure and evolution of political institutions in China, Japan, Korea, and other selected Asian nations since World War II with emphasis upon political modernization, ideology, and nationalism. **Prerequisite:** Political Science 201. **Three hours per week.**

420. INTERNATIONAL ORGANIZATION **3 hours credit**

A study of the bases of international organization and factors influencing their development, and considering also the functions and problems of such organizations as well as the future of the world community. **Prerequisite:** Political Science 201. **Three hours per week.**

**430. LEGISLATIVE PROCESS IN THE
UNITED STATES** **3 hours credit**

An inquiry into the structural characteristics and functions of Congress and state legislatures. Factors that affect legislative decision making will also be given careful consideration. **Prerequisite:** Political Science 201. **Three hours per week.**

**431. LOCAL GOVERNMENT IN THE
UNITED STATES** **3 hours credit**

An examination of county, metropolitan and municipal governments with emphasis on a description of these political subsystems, their place in the federal system, and the relationship between the socio-economic environment, governmental structure and public policy. **Prerequisite:** Political Science 201. **Three hours per week.**

**440. ENVIRONMENTAL MANAGEMENT
AND THE LAW** **3 hours credit**

Analysis of environmental strategies, decisions, and their implementation. Emphasis on laws and institutional arrangements for environmental policy formulation and implementation. **Prerequisite:** Political Science 201. **Three hours per week.**

445. PUBLIC PERSONNEL ADMINISTRATION **3 hours credit**

This course will deal with the characteristics of personnel administration

in the public sector as opposed to the private sector. **Prerequisite:** Political Science 205 or consent of instructor. **Three hours per week.**

500. PROBLEMS OF WORLD POLITICS **3 hours credit**

A study of the political problems and issues among the nations, such as propaganda, causes of war, armaments control, and neutrality, which affect the peace and security of the United States and other nations. **Three hours per week.**

PSYCHOLOGY

**403. MEASUREMENT AND EVALUATION IN
PSYCHOLOGY** **3 hours credit**

A coverage of correlational techniques, reliability and validity. Psychological tests and questionnaires are considered in terms of their measurement assumptions and utility. **Prerequisite:** Psychology 220 or consent of instructor. **Three hours per week.**

405. ABNORMAL PSYCHOLOGY **3 hours credit**

A survey of the etiology, diagnosis and prognosis of neurosis, psychosis, psychosomatic disorders, transient situational maladjustments and personality disorders. Included will be a discussion of various treatment approaches. **Prerequisite:** Psychology 210. **Three hours per week.**

**406. PSYCHOLOGY OF ATTITUDES AND
ATTITUDE CHANGE** **3 hours credit**

This course is concerned with how attitudes are formed, measured, and changed. Emphasis will be placed on the classical theories and on new approaches to attitude formulation and change. **Prerequisite:** Psychology 306 or consent of the instructor. **Three hours per week.**

408. HISTORY AND SYSTEMS IN PSYCHOLOGY **3 hours credit**

Study of basic integrating theories of psychology. **Prerequisite:** Psychology 211 or consent of the instructor. **Three hours per week.**

409. ENVIRONMENTAL PSYCHOLOGY **3 hours credit**

A study of the effects of the environment on human behavior. Consideration will be given to such topics as organizational structure and climate, architecture, population density and urban stress. **Prerequisite:** Psychology 210. **Three hours per week.**

412. PHYSIOLOGICAL PSYCHOLOGY **3 hours credit**

The investigation of morphological, neurochemical, and physiological bases of behavior. **Prerequisite:** Psychology 210. **Three hours per week.**

415. MOTIVATION AND EMOTION **3 hours credit**

A survey of experimental findings and theory of processes that energize and direct behavior. **Prerequisite:** Psychology 210. **Three hours per week.**

422. PSYCHOLOGY OF AGING**3 hours credit**

A study of human development from early adulthood to senescence.
Prerequisite: Psychology 210. **Three hours per week.**

423. PSYCHOLOGY OF THE EXCEPTIONAL CHILD**3 hours credit**

A study of children who vary from the norm including the gifted, physically handicapped, mentally handicapped, socially handicapped, emotionally disturbed. **Prerequisite:** Psychology 300 or Psychology 320 or Education 300 or consent of the instructor. **Three hours per week.**

425. PSYCHOLOGY PRACTICUM**3 hours credit**

A course designed to provide the Psychology major with actual training experience in a variety of clinical settings. May be taken twice. **Prerequisites:** 15 hours in Psychology and consent of instructor. **Three hours per week.**

430. LEARNING THEORY AND ITS APPLICATION**3 hours credit**

A course designed to acquaint students with the theoretical base and experimental data to support a unified approach to human learning. This course will also provide the student with the direct applicability of learning theory to the education of the individual. **Prerequisite:** Education 300, Psychology 210 (or equivalent) or consent of the instructor. **Three hours per week.**

431. PHYSIOLOGICAL THEORIES OF LEARNING**3 hours credit**

Advanced study of the role of the nervous system in the learning and memory processes, including biochemical theories of learning. **Prerequisites:** Psychology or Biology major; Psychology 305. **Three hours per week.**

435. BEHAVIORAL SELF-CONTROL**3 hours credit**

A study of learning-based procedures for the self-management of behavior. Major areas of study include contingency management principles, behavioral observation, and recording, operational definitions of behavior, reliability statements, and procedures for evaluating any self-management program. **Prerequisite:** Psychology 211. **Three hours per week.**

440. PSYCHOLOGY OF WOMEN**3 hours credit**

This course is concerned with sex roles, sex differences, the causes of psychological problems of women, and some possible methods of coping with the rapidly changing roles of both women and men. **Prerequisite:** Psychology 210. **Three hours per week.**

450. COGNITIVE PROCESSES**3 hours credit**

A consideration of theory and research concerning the higher mental processes. Topics to be covered include memory, attention, problem solving, thinking and reasoning. **Prerequisite:** Psychology 305 or consent of the instructor. **Three hours per week.**

455. CHILDREN'S LEARNING AND COGNITIVE DEVELOPMENT**3 hours credit**

A survey of theory and research on the development of learning and conceptual behavior. Consideration will be given to mediation, attention, and differentiation theories as well as to the views of Piaget. The course is designed to provide familiarity with basic research underlying educational innovation and is only marginally concerned with application. **Prerequisite:** Psychology 305 or consent of the instructor. **Three hours per week.**

460. INTRODUCTION TO CLINICAL PSYCHOLOGY**3 hours credit**

A comparative study of the theories and practices in the treatment of mental and emotional disorders. Included are the most commonly employed analytical, neo-analytical and behavioral systems of clinical psychology as well as a survey of psychodiagnostic materials. **Prerequisite:** Psychology 210 or consent of instructor. **Three hours per week.**

465. PRINCIPLES AND TECHNIQUES OF GROUP THERAPY**3 hours credit**

A study of the principles and techniques of group counseling/psychotherapy and their application. Includes a review of the psychological and historical development of group therapy and a study of the pertinent research. Discussion and roleplaying are important elements of this course. **Prerequisite:** Advanced standing. **Three hours per week.**

468. THE PSYCHOLOGY OF MENTAL RETARDATION**3 hours credit**

A study of the symptoms, causes, diagnosis, assessment, and treatment of mental retardation. **Prerequisite:** Psychology 210 or consent of instructor. **Three hours per week.**

480. DYNAMICS OF INDIVIDUAL BEHAVIOR**3 hours credit**

A study of the psychosocial factors which underlie human behavior, with emphasis on the family atmosphere. **Prerequisite:** Psychology 210. **Three hours per week.**

490. INDIVIDUAL DIRECTED STUDY**1-3 hours credit**

A course designed to enable advanced students to pursue through observation, experimentation, or library research a topic of their choosing. May be taken more than once for a maximum of six credits. **Prerequisite:** Consent of department chairman.

501. A SEMINAR IN THE PSYCHOLOGY OF THE MENTALLY RETARDED**3 hours credit**

A seminar enabling the students to intensively investigate specific problems in the etiology, diagnosis, assessment and treatment of the mentally retarded. **Prerequisites:** College Degree, Psychology 468 and consent of instructor. **Three hours per week.**

503. BEHAVIORAL PROBLEMS IN CHILDREN AND YOUTH	3 hours credit	ly handicapped and brain lesioned. Prerequisite: Psychology 520. Three hours per week.
Study of behavior problems in children and young people ranging from mild personality disorders to psychoses. Special consideration is given to symptoms, etiology, and treatment. Prerequisites: Master's degree student and consent of instructor. Three hours per week.		
504. MENTAL HYGIENE	3 hours credit	525. ADVANCED CLINICAL PRACTICUM 3 hours credit
A study of the forces influencing the development of the stable and the deviate personality and how most effectively to deal with these factors. Prerequisite: Psychology 210 or consent of the instructor. Three hours per week.		This course is an experimental activity available to Master's degree students who are interested in developing their skills in the practice of counseling and clinical activities. Students, in consultation with their advisors, will select appropriate practicum placements in relevant agency or school settings. Supervision of practicum will be provided by both the agency and the department.
505. PERSONALITY ASSESSMENT	3 hours credit	530. DIRECTED RESEARCH 3 hours credit
A survey of the techniques of personality evaluation including questionnaires, situational tests, attitude scales and interviewing procedures. Prerequisites: Psychology 520 and consent of instructor. Three hours per week.		Preparation of optional research project in Master's degree program under direction of departmental supervision. Prerequisite: Consent of instructor. Three hours per week.
507. PSYCHOTHERAPY AND COUNSELING	3 hours credit	540. COMMUNITY PSYCHOLOGY 3 hours credit
A study of the philosophical and psychological assumptions and fundamental practices of the major approaches to psychotherapy and counseling in modification of human behavior. Prerequisites: College degree and consent of instructor. Three hours per week.		This course is designed to provide knowledge in the following areas: activities a community can undertake to meet mental health needs; the concept of treating total communities rather than single patients; and the distinction between preventative and therapeutic services and ways of implementing both on a community basis. Prerequisite: Graduate standing.
510. PROJECTIVE TECHNIQUES	3 hours credit	550. GRADUATE PROSEMINAR IN PSYCHOLOGY 3 hours credit
Theory, research findings and clinical applications of major projective techniques employed in clinical psychology. Prerequisites: Psychology 520 and consent of the instructor. Three hours per week.		An intensive study of several areas of psychology to be selected by the staff as representing current issues of importance.
511. DIAGNOSTIC TESTS IN COUNSELING	3 hours credit	555. ADVANCED EXPERIMENTAL PSYCHOLOGY 3 hours credit
A study of diagnostic tests in counseling and their relationship to therapeutic procedures in order to better understand clients and to improve effectiveness. Prerequisite: Master's degree student.		The assessment of designs for research questions in order to provide students with the necessary research tools to adequately determine the effectiveness of various treatment approaches. Prerequisite: Master's degree student.
515. SEMINAR IN ADOLESCENT BEHAVIOR	3 hours credit	560. STATISTICAL ANALYSIS OF EXPERIMENTS 3 hours credit
This course will cover current issues in adolescent behavior such as: drug use, parental relationships, peer interactions and other related topics. This course will require a paper, an adolescent study, and group work in developing research tools. Three hours per week.		A coverage of the statistical procedures necessary to test hypotheses. Topics to be covered will include test of a single parameter and the differences between two or more parameters. Correlation will be considered also. Prerequisite: Master's degree student.
520. CLINICAL ASSESSMENT I	3 hours credit	566. ADVANCED GROUP THEORY AND PRACTICE 3 hours credit
A course dealing with three focal areas: (A) Theories of intelligence; (B) Administration of individual and group intelligence tests; (C) Reporting of intelligence test results. Prerequisite: Master's degree student. Three hours per week.		In this course students will receive training and knowledge in the following areas: theoretical models for groups; techniques and exercises in facilitating the group process; practice in groups and self-analysis experiences. Prerequisite: Psychology 465.
521. CLINICAL ASSESSMENT II	3 hours credit	
Theory, research findings and clinical applications of major testing instruments relative to the emotionally disturbed, mentally retarded, physical-		

SCIENCE

400. SPECIAL TOPICS IN PHYSICAL SCIENCE

3 hours credit

A study of a specific area of physical science. The topic will vary from semester to semester. The course may be taken twice for credit. **Three hours per week.**

500. THE ROLE OF SCIENCE IN MODERN CIVILIZATION

3 hours credit

An historical consideration of the development of the scientific approach and a critical analysis of its continuing role in modern civilization. **Three hours per week.**

503. ADVANCED PHYSICAL SCIENCE I

3 hours credit

A study of selected basic concepts of physical science in the areas commonly encountered in elementary and general science teaching. Areas of study include atomic structure, radiation and nuclear energy. **Prerequisite:** Science 101, 105 or equivalent. **Two hours lecture and one two-hour laboratory per week.**

504. ADVANCED PHYSICAL SCIENCE II

3 hours credit

A study of selected basic concepts of physical science in areas commonly encountered in elementary and general science teaching selected from the areas of systematic and applied organic chemistry. **Prerequisite:** Science 101, 105 or equivalent. **Two hours lecture and one two-hour laboratory per week.**

530. DIRECTED RESEARCH

3 hours credit

Preparation of optional research project in master's degree program under direction of departmental supervision.

SOCIAL SCIENCE

400. CURRENT PROBLEMS

3 hours credit

A study is made of either general or special topics of our times. The topics are considered from historic aspect and the present social and cultural setting in which they occur. **Three hours per week.**

SOCIAL WORK

410. ALCOHOL AND DRUGS: IMPLICATIONS FOR HUMAN SERVICES

3 hours credit

A course focusing on the various forms of alcohol and drug use with an emphasis on the stages of harmful dependence and addiction. There will be an examination of our social and legal responses to these drugs and their users, as well as approach to treatment, rehabilitation and prevention. **Prerequisite:** Social Work 375 or consent of instructor. **Three hours per week.**

420. COMMUNITY ORGANIZATION:

STRATEGIES FOR CHANGE

3 hours credit

A study of various methods of social intervention utilized in promoting the development of community action systems in dealing with social problems. Focus will be on the role of the Social Worker, the interactional processes and the impact on Social Institutions. **Prerequisite:** Social Work 375 or consent of instructor. **Three hours per week.**

471. SOCIAL WORK METHODS I

3 hours credit

Formulation of a common base for social work practice; utilization of interviewing and communication to develop helping relationships; identifying social worker roles and modes of intervention based upon application of social work and social science knowledge. **Prerequisite:** Social Work 375 or consent of the instructor. **Three hours per week.**

472. SOCIAL WORK METHODS II

3 hours credit

Development of modes of intervention with individual, family, group and community selection; implementation and evaluation of modes of intervention to stabilize, develop and enhance social functioning of individual and family and groups. To be taken concurrently with Social Work 473. **Prerequisite:** Social Work 471 or consent of instructor. **Three hours per week.**

473. FIELD INSTRUCTION IN SOCIAL WORK I

6 hours credit

Social work practice experience achieved through placement and participation in a community service or program; available only to students approved for social intervention. Emphasis will be placed upon use of observation, communication, interviewing, and utilization of community resources so that these skills and concepts may become significant for the student as a practitioner. Taken concurrently with Social Work 472. **Prerequisite:** Social Work 471 or consent of instructor. **1½ hours seminar and 15 hours field experience per week.**

475. FIELD INSTRUCTION IN SOCIAL WORK II

6 hours credit

Continuation of direct experience in the delivery of social services with the assigned agency and increased emphasis on relationship and interaction, data collection and assessment, treatment, termination and evaluation. To be taken concurrently with Social Work 477. **Prerequisite:** Social Work 473 or consent of instructor. **1½ hours of seminar and 15 hours of field experience per week.**

477. SOCIAL WELFARE-SOCIAL WORK SEMINAR

3 hours credit

Integration of human needs, ethical issues of intervention, values and necessity for practical solutions to social problems discovered in the field experience; exploration of current concerns within the social work profession and in selected practice across disciplines; dilemmas and problems in social welfare programs and services. To be taken concurrently with Social Work 475. **Prerequisite:** Social Work 473 or consent of instructor.

481. SOCIAL WORK IN SPECIAL SETTINGS 3 hours credit

Social work concepts, methods and program development in selected settings such as school, medical, correctional, family and child welfare settings; study of setting; review and analyze organizational arrangements for social work practice in these settings. **Prerequisite:** Social Work 375 or consent of instructor. **Three hours per week.**

482. SOCIAL WORK WITH MINORITY GROUPS 3 hours credit

Social work concepts, methods, values, commitments to program development for minority groups such as drug addicts, alcoholics, handicapped, aged, blacks, migrant workers, etc.; a careful look at subcultures, situational and significant organizational arrangements for social work practice with these groups. **Prerequisite:** Social Work 375 or consent of instructor. **Three hours per week.**

SOCIOLOGY AND ANTHROPOLOGY

405. SOCIOLOGY OF LAW 3 hours credit

The study of formal legal statements as communications both reflecting and influencing life in society. Considers the role of law in maintaining or transforming other social institutions. **Three hours per week.**

413. THE SOCIOLOGY OF SMALL GROUPS 3 hours credit

The sociological theory of group interaction with implications for effective social communication and leadership. **Three hours per week.**

414. COMMUNITY SOCIOLOGY 3 hours credit

An investigation of communities as social systems emphasizing current directions in community research. **Three hours per week.**

416. INDIVIDUAL DIRECTED STUDY 3 hours credit

Intensive, advanced study in an area of sociology available on request to sociology majors of outstanding ability. **Three hours per week.**

417. THE SOCIOLOGY OF PUBLIC ADMINISTRATION 3 hours credit

Major problems, issues and considerations in the administration and supervision of tax supported or volunteer agencies, organizations and associations operated as a public service. **Three hours per week.**

418. ANALYSIS OF SMALL GROUP PARTICIPATION 3 hours credit

Participation in an on-going group, with continuing analysis of the group's development and the factors affecting the participation of the members. **Three hours per week.**

419. SOCIAL CHANGE 3 hours credit

Explores change in whole societies concentrating on the U.S. and industrializing countries. Critically examines classical and current theories of

socio-cultural change. Considers strategies for and ways of monitoring change in a society. **Three hours per week.**

430. THE SOCIOLOGY OF HEALTH AND ILLNESS 3 hours credit

The study of social factors involved in health and illness emphasizing the institution of medicine in American Society. **Three hours per week.**

435. SOCIOLOGY OF MENTAL DISORDERS 3 hours credit

The study of socio-cultural factors in mental health and illness emphasizing social causation and patterns of distribution. **Three hours per week.**

452. COMPARATIVE CULTURES 3 hours credit

Cross-cultural survey of primitive societies with emphasis on human social differences and their meaning. Africa, Asia, North and South America, Oceania. This course will focus on cultural diversity of mankind concentrating on varying marital, religious, economic, family and social patterns. **Three hours per week.**

**459. SEMINAR IN ANTHROPOLOGY: 3 hours credit
SELECTED TOPICS**

Individual and group study of selected topics from the four subdisciplines of anthropology (cultural anthropology, physical anthropology, linguistic anthropology, archaeology). **Three hours per week.**

**485. SOCIOLOGY AND THE ASA:
RELATIONSHIPS AS SEEN BY
THE GRADUATE SOCIOLOGY MAJOR 3 hours credit**

Students participate in the Annual Meeting of the American Sociological Association to study the discipline, evaluate the programs offered, and gather evidence indicating the probable future development of the discipline, and available career opportunities in Sociology. Each student's plan of study and participation must be developed in consultation with the sponsoring faculty. **Prerequisites:** Twelve hours of Sociology, including 211 or 418 for small group work (or equivalent professional experience) or the consent of the instructor.

499. EXPERIMENTAL SOCIOLOGY 3 hours credit

Number reserved for courses approved by the Academic Council as an experimental response to student interest or community need. **Three hours per week.**

511. SOCIAL PLANNING 3 hours credit

Scientific methods for the introduction of new or the changing of established programs involving the study of attitudes, objectives, and methods of winning and retaining support. **Prerequisite:** Six hours of Sociology or consent of instructor. **Three hours per week.**

512. GRADUATE SEMINAR IN SOCIOLOGY 3 hours credit

Study and discussion of a selected topic of sociological significance, such as: social movements, roots of social inequality, analysis of social power of

GRADUATE SCHOOL ADMINISTRATION

MICHAEL J. MASUCCI, Director of Graduate Studies
B.S., Lemoyne College; M.S., Ed.D., Syracuse University
JOSEPH S. BACHMAN, Associate Director of Graduate Studies
B.S., Davidson College; M.A., University of North Carolina
DOROTHY L. POWELL, Registrar
B.A., University of Maryland

THE GRADUATE FACULTY

WILLIAM F. ANDERSON, Professor of Psychology
A.B., M.A., University of Nebraska; Ph.D., University of Iowa
HUBERT H. BASEHART, Assistant Professor of Political Science
B.A., Kent State University; M.A., Ph.D., Ohio State University
CHARLES PHILLIP BOSSERMAN, Professor of Sociology and Department Chairman
B.A., Baker University; S.T.M., Boston University; Ph.D., University of Paris and Boston University
MAURICE BOZMAN, Associate Professor of Education
B.S., Salisbury State College; M.Ed., Ph.D., University of Maryland
SYLVIA S. BRADLEY, Assistant Professor of History
B.S., M.Ed., Salisbury State College; M.A., University of Delaware
RUTH L. BRONSTEIN, Associate Professor of Education
B.A., Hunter College, CUNY; M.A., Ed.D., Teachers College, Columbia University
JAMES L. BURGESS, Assistant Professor of Art
B.S., East Carolina University; M.A., Towson State College
A. DEAN BURROUGHS, Associate Professor of Physical Education
B.S., University of Tampa; M.A., Appalachian State University
K. NELSON BUTLER, Professor of Health and Physical Education and Department Chairman
B.S., University of Tampa; M.A., Appalachian State University; Ed.D., University of Tennessee
MARY GAY CALCOTT, Associate Professor of English
B.A., Randolph-Macon Woman's College; M.A., University of Virginia
DONALD C. CATHCART, Assistant Professor of Mathematics
A.A., Chaffey College; B.A., University of Hawaii; M.A., San Diego State College; Ed.D., Indiana University
OSCAR J. CHAPMAN, Professor of Education
B.A., Lincoln University; M.A., University of Michigan; Ph.D., Ohio State University
CHARLES EDWIN CIPOLLA, Assistant Professor of Sociology
B.A., Roanoke College; M.A., Wake Forest University; Ph.D., University of Georgia
ALVAH CONSTANTINE, Director of Field Experience and Associate Professor of Education
B.S., Glassboro State College; M.Ed., Rutgers University
NORMAN C. CRAWFORD, JR., President of the College
B.S., M.Ed., Rutgers University; Ph.D., Northwestern University

POLLY S. DEEMER, Assistant Professor of English
B.A., University of Utah; D.A., Ph.D., University of Oregon
EDMUND T. DELANEY, Professor of Psychology and Department Chairman
B.A. (Philosophy), B.A. (Theology), St. John's Seminary; M.Ed., Massachusetts State College; Ph.D., University of Illinois
ARTHUR L. DELPAZ, Assistant Professor of Music
B.S., Westchester State College; M.S., Bucknell University; D.Ed., The Pennsylvania State University
DEANE E. DESHON, Associate Professor of Health and Physical Education and Director of Athletics
B.S., Maine Maritime Academy; B.S., University of Maine; M.S., University of Maryland
FREDERICK R.E. DURR, Professor of Business Administration and Economics and Department Chairman
B.A., Marietta College; M.S., University of Miami; Ph.D., The Ohio State University
ROBERT A. ELDERDICE, Professor of English
B.A., Western Maryland College; M.A., Brown University; Ph.D., University of Maryland
LEO F. ENGLER, Professor of English
B.A., University of Iowa; M.A., Ph.D., University of Texas at Austin
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B.A., Bowdoin College; M.A., University of Kansas; Ph.D., Emory University
EDNA E. ESTES, Professor of Biology
B.S., M.S., Ph.D., University of Alabama
EUGENE D. FARACE, Associate Professor of Geography
B.S., Millersville State College; M.A., University of Maryland
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B.A., Middle Tennessee State College; M.A., George Peabody College for Teachers
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B.S., Thiel College, Pa.; M.A., Ohio University; Ph.D., State University of N.Y. at Buffalo

DARRELL G. HAGAR, Assistant Professor English and Director of Writing Center
B.A., Texas Christian University; M.A., Kansas State College of Pittsburgh; Ph.D., Texas Christian University

ROBERT A. HEDEEN, Professor of Biology
B.A., M.A., Ph.D., University of Texas

WINIFRED G. HELMES, Professor of History
B.S., M.A., Ph.D., University of Minnesota

NORMA HEYDE, Assistant Professor of Music
B.M., M.M., University of Michigan School of Music; Diplomas in Oratorio and Lieder - International Summer Academy of the Mozarteum, Salzburg, Austria

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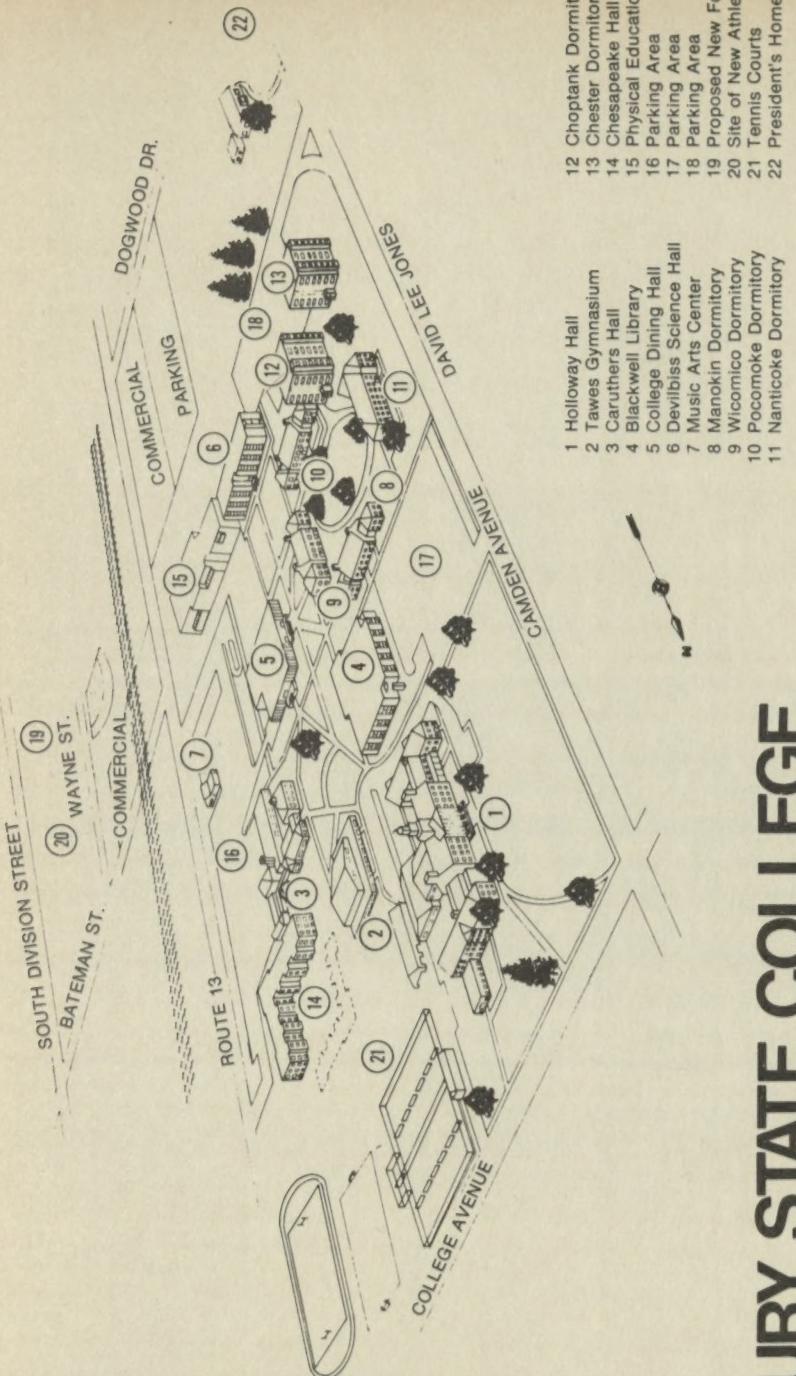
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